NISTIR 5274
(Supersedes NISTIR 5220)

VALIDATED PRODUCTS LIST 1993 No. 4

Programming Languages
Database Language SQL
Graphics
GOSIP
POSIX
Computer Security

Judy B. Kailey
Editor

U.S. DEPARTMENT OF COMMERCE
Technology Administration
National Institute of Standards
and Technology
Computer Systems Laboratory
Software Standards Validation Group
Gaithersburg, MD 20899

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U.S. DEPARTMENT OF COMMERCE
Ronald H. Brown, Secretary

TECHNOLOGY ADMINISTRATION
Mary L. Good, Under Secretary for Technology

NATIONAL INSTITUTE OF STANDARDS
AND TECHNOLOGY
Arati Prabhakar, Director

FOREWORD

The Validated Products List is a collection of registers describing implementations of Federal Information Processing Standards (FIPS) that have been validated for conformance to FIPS. The Validated Products List also contains information about the organizations, test methods and procedures that support the validation programs for the FIPS identified in this document.

The Validated Products List is updated quarterly.

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1. INTRODUCTION

1.1 Purpose

The testing of Information Technology (IT) Products to determine the degree to which they conform to specific Federal Information Processing Standards (FIPS) may be required by Government agencies as specified by the FIPS, Federal Information Resources Management Regulation (FIRMR) Parts 201-20.303, 201-20.304, and 201-39.1002, and the associated Federal ADP and Telecommunications Standards Index. Products having a current validation certificate or test report may be offered or delivered by vendors in response to requirements as set forth in solicitations by Federal agencies. The Validated Products List (VPL) contains conformance testing information for the following IT Standards:

Programming Languages COBOL, Fortran, Ada, Pascal, C, and MUMPS
Database Language SQL
Graphics
GOSIP
POSIX
Computer Security

This List is updated and published quarterly. The information contained herein is supplied by the contributors listed in Section 2.6 and Appendix A, and is current as of the tenth of the month preceding the publication date. Copies of the VPL may be obtained from:

National Technical Information Service
U.S. Department of Commerce
5285 Port Royal Road
Springfield, VA 22151.

Subscriptions: (703) 487-4630
Individual Copies: (703) 487-4650

Ordering Number: PB93-937303/AS

The entries in the printed VPL are contained in WordPerfect Version 5.1 files and may be accessed on the Internet using the instructions listed below.

Type: **ftp speckle.ncsl.nist.gov** (internet address is 129.6.59.2)
Login as user **ftp**
Type your e-mail address as the password
Type: **cd pub/vpl**
Type: **binary**
Type: **get** and the name of the file you want; e.g. **language.vpl**

Questions or comments concerning the VPL should be directed to:

National Institute of Standards and Technology (NIST)
Computer Systems Laboratory
Software Standards Validation Group
Building 225, Room A266
Gaithersburg, MD 20899
Telephone (301) 975-3274

1.2 Document Organization

1.2.1 Programming Languages

Section 2 identifies those COBOL, Fortran, Pascal, C, Ada, and MUMPS programming language processors that have a current validation certificate or registered test report referencing the applicable FIPS as of the date of this publication.

1.2.2 Database Language SQL

Section 3 identifies those SQL language processors that have a validation certificate or a registered test report for FIPS PUB 127-1 as of the date of this publication.

1.2.3 Graphics

Section 4 lists the implementations or files for which a validation certificate is currently in place. These entries include:

Graphical Kernel System (GKS) implementations (FIPS PUB 120-1),
Programmer's Hierarchical Interactive Graphics Systems (PHIGS) (FIPS PUB 153),
Computer Graphics Metafiles (CGMs) (FIPS PUB 128),
Raster Graphics data files (FIPS PUB 150).

1.2.4 GOSIP

Section 5 contains information regarding FIPS PUB 146-1, GOSIP, conformance testing registers.

1.2.5 POSIX

Section 6 identifies POSIX products that have a current validation certificate for FIPS PUB 151-1 and FIPS PUB 151-2.

1.2.6 Computer Security

Section 7 contains information regarding validated products for FIPS PUB 46-1, Data Encryption Standard (DES), FIPS PUB 113, Message Authentication Code, ANSI X9.9, and FIPS PUB 171, Key Management Using ANSI X9.17.

1.2.7 FIPS Conformance Testing Products

Appendix A lists FIPS conformance testing products and services available to the public. Information for these products and services may be obtained by contacting the appropriate person listed.

2. PROGRAMMING LANGUAGES

2.1 FIPS Programming Language Standards

As specified by the FIPS, FIRMR and the associated Federal ADP and Telecommunications Standards Index, Federal agencies when acquiring language processors, are responsible for assuring that processors are in accordance with the following FIPS for programming languages:

a. COBOL processors must satisfy the provisions of FIPS PUB 21-3, COBOL, and must be identified as implementing all of the language elements of at least one of the subsets of FIPS COBOL as specified in FIPS PUB 21-3.

b. BASIC processors must satisfy the provisions of FIPS PUB 68-2, BASIC.

c. Fortran processors must satisfy the provision of FIPS PUB 69-1, Fortran, and must be identified as implementing all of the language elements of the subset or full levels of FIPS Fortran as specified in FIPS PUB 69-1.

d. Pascal processors must satisfy the provisions of FIPS PUB 109, Pascal.

e. Ada processors must satisfy the provisions of FIPS PUB 119, Ada.

f. MUMPS processors must satisfy the provisions of FIPS PUB 125, MUMPS.

g. C processors must satisfy the provisions of FIPS PUB 160, C.

h. VHDL processors must satisfy the provisions of FIPS PUB 172, VHDL.

Copies of the above publications are for sale by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Conformance testing programs are currently available for all above FIPS except for the programming language BASIC and VHDL. A test suite for BASIC is being developed.

2.2 Organization of Programming Language Processor Entries

The entries in the VPL for programming language processors are presented as follows:

- The VENDOR ID column contains the name of the Vendor of the processor.

- The PROCESSOR ID column contains the Processor identification and the Validation Summary Report (VSR) or certificate number. This number refers to the VSR that was produced as a result of the testing. The VSR describes the testing environment and details any processor nonconformity that was detected as a result of the testing. Information for obtaining a VSR is listed in section 2.6.

- Derived processors in the VENDOR & COMPILER column are Ada processors that have been derived from the processor/hardware/operating system environment used during the testing. In order for derived processors to be listed here, they must be properly registered with the Department of Defense, Ada Joint Program Office (AJPO) by the vendor of the processor.

- The HARDWARE & OPERATING SYSTEM column presents the hardware and operating system environment (including pertinent supporting system software) used during the validation. In the case of Ada processors, those environments for derived processors will appear in this column.

- The EXPIRY DATE column lists the expiration date of the Certificate of Validation or Registered Validation Summary Report. A processor may be included in the List after the certificate has expired if the validation is in process. Notification must be received by NIST at least 30 days prior to publication of the List in order for such a processor to be included. In this case the expiration date will be followed by "(pending)".

- For COBOL processors, the SUBSET column cites the applicable Federal Subset. For Fortran processors, the LEVEL column specifies the applicable Federal level. For Pascal processors, the ISO 7185 Pascal Standard Level (ISO 7185 Level 0 is equivalent to FIPS 109). This designation is presented in the PROCESSOR ID column.

- The entries in the OTHER ENVIRONMENTS column are registered hardware and operating system environments for the processor tested. The vendor of the processor has certified that the identified processor, when operating under the environments included in this column, produces the same test results as those obtained from the hardware and operating system environment used during the validation. Test results and other information from these environments may be required as evidence for entries to be included in this column.

Also listed are the programming language processors that have been tested and during the testing were found to have one or more nonconformities. Presently some of the vendors of these processors have certificates indicating that nonconformities were found. As of January 15, 1993, a registered report will be prepared but certificates will no longer be issued for processors with nonconformities.

2.3 Validation of Processors

2.3.1 Validation Requirements

In accordance with the requirements referenced in Section 1.1, language processors offered to the Government for purchase, lease, or use in connection with ADP services shall be validated for conformance to FIPS for programming languages. To confirm that the specifications of the designated FIPS have been met:

a. the processor shall be tested with the Compiler Validation System (CVS) approved by NIST,

b. the processor validations shall be conducted in accordance with NIST validation procedures,

c. a Validation Summary Report (VSR) shall be produced summarizing the test results of the CVS on the designated processor for that FIPS,

d. all nonconformities noted in the VSR shall be corrected within twelve months,

e. a Certificate of Validation shall be issued if validation results warrant. In order for a processor to receive a Certificate of Validation the processor must successfully pass all applicable tests of the CVS without exception.

The Federal ADP and Telecommunications Standards Index supplies standard terminology which may allow for delayed validation. When delayed validation is allowed, the offeror may meet this requirement

by showing evidence of having submitted the processor for validation. Proof of submission is in the form of a letter from NIST scheduling the validation.

Programming language processors offered to the Federal Government must comply with the applicable Government requirements. Failure to comply with these requirements shall be deemed sufficient cause to declare a bidder non-responsive or to declare a vendor in default for failure to deliver required software.

2.3.2 Placement in the List

For a processor to be placed in the List it must:

a. have been officially tested within the past twelve calendar months, and

b. have no errors remaining that were identified during a previous test.

2.3.3 Removal from the List

A processor is removed from the List when:

a. the processor is not officially tested within twelve calendar months, or

b. testing indicates that the processor still contains errors identified during a previous validation.

2.3.4 Validation Procedures

Validation procedures are published in the following documents:

Compiler Validation Procedures, dated January 15, 1993
Ada Compiler Validation Procedures and Guidelines, Version 3.1, August, 1992
Pascal Validation Policy and Procedures, Version 5.5, April 9, 1993
MUMPS Validation Procedures, Version 1.0, dated August 13, 1992

2.4 Certificate of Validation

A Certificate of Validation is issued for those programming language processors that have been tested and are considered to be in compliance with the FIPS as specified by the FIPS, FIRMR and the associated Federal ADP and Telecommunications Index.

The requirement for retesting may be waived and the certificate of validation extended at the option of NIST if:

a. no errors were identified during the previous testing of the processor,

b. the vendor certifies, in writing, to NIST that no changes have been made to either the processor or the supporting system software, and

c. no new version of the validation system has been officially released during the interim period.

2.5 Language Processor Validation Suites

Following are the validation suites and ordering information for testing programming language processors for conformance to FIPS.

a. Copies of the COBOL, Fortran, MUMPS, and Ada Compiler Validation Suites may be purchased from:

National Technical Information Service (NTIS)
5285 Port Royal Road
Springfield, VA 22161
Telephone (703) 487-4650 (Voice)
(703) 321-8547 (FAX)

COMPILER VALIDATION SYSTEM [MEDIUM/FORMAT]	VERSION	NTIS ACCESSION NUMBER
COBOL 85 (CCVS85)	3.1	PB91-508002
Fortran (FCVS78)	2.0	PB85-226736
Ada [Tape/Backup]	1.11	ADA212551
Ada [Tape/Tar]	1.11	ADA212437
Ada [Tape ANSI Standard]	1.11	ADA212548
Ada [Disk (MS/DOS)]	1.11	ADA212549
MUMPS [Tape/Backup]	7.61	PB91-507699
MUMPS [Tape/ANSI]	7.61	PB91-507715
MUMPS [Tape/Tar]	7.61	PB91-507723
MUMPS [Disk (MS-DOS)]	7.61	PB91-507707

b. The current version of the Pascal Validation System (PVS) is Version 5.5 and is available from:

British Standards Institution (BSI)
Software Engineering Department
BSI Quality Assurance
P. O. Box 375
Milton Keynes
MK14 6LL
ENGLAND
Telephone (011) +44-908-220908 (Voice)
(011) +44-908-220671 (FAX)

c. The current version of the ANSI C Validation Suite (ACVS™) is Version 4.0 and is available from:

Perennial, Inc.
4699 Old Ironsides Drive
Suite 210
Santa Clara, CA 95054
Telephone (408) 748-2900 (Voice)

2.6 Testing Laboratories and Supporting Organizations

The organizations listed below have performed validations, supplied information, or are sources for Validation Summary Reports (VSR) for programming languages. These organizations may be contacted for validation information and for copies of VSR(s). COBOL and Fortran VSR(s) may be obtained from NIST. Pascal VSR(s) whose VSR numbers begin with "NIST" or end in "US" may also be obtained from NIST. Pascal VSR(s) whose VSR numbers end in "UK" are available from BSI. Ada VSR(s) may be obtained from the Ada Information Clearinghouse, the National Technical Information Service, or from the Ada Validation Facility (AVF) that produced the VSR. To obtain a copy of a VSR from an AVF, locate the upper case letter in the certificate number (e.g., 870608W1. . .). That letter corresponds to the letter in the CODE column to the left of the organizations listed below.

CODE	ORGANIZATION	CONTACTS	LANGUAGE
S	National Institute of Standards and Technology Software Standards Validation Group Building 225, Room A266 Gaithersburg, MD 20899 (301) 975-3274 Telex: 197674 NBS UT FAX: (301) 948-6213	L. Arnold Johnson Judy Kailey Woody Schneider Carmelo Montanez William Dashiell	All COBOL, Fortran BASIC Pascal, C Ada, MUMPS, SQL, VHDL
N	National Computing Centre Limited (NCC) Oxford Road Manchester M1 7ED ENGLAND (011) +44 (61) 228 6333 +44 (61) 236 4715 (FAX) Telex 668962	Jane Pink Jon Leigh David Bamber	COBOL Fortran Ada
	German National Research Center for Computer Science (GMD) Department Scientific Visualization Supercomputer Center (HLRZ) P. O. 1316, Schloss Birlinghoven D-W-5205 Sankt Augustin 1 Germany (011) +49-2241-14-2706 (voice) (011) +49-2241-14-2618 (FAX) kirsch @gmdzi.gmd.de	Berthold Kirsch	Fortran
	Bureau Inter Administration de Documentation Informatique (BIADI) 21 Rue Bara 92132 Issy France	E. Bialot	COBOL Fortran
	Instituto Italiano del Marchio di Qualita (IMQ) Via Quintiliano, 43 20138 Milano Italy +39-2-5073266	Angelo Belloni	COBOL Fortran

	JMI Institute 21-25, Kinuta 1-Chome Setagaya-Ku, Tokyo 157 Japan +81 3 3416 9600	Y. Fukui	COBOL Fortran
	British Standards Institution (BSI) P.O. Box 375 Milton Keynes MK14 6LL ENGLAND (011) +44 0908-220908 Telex: 827682 BSIQAS G	John Souter	Pascal
W	Ada Validation Facility Language Control Facility ASD/SCEL Wright-Patterson AFB, OH 45433-6503 (513) 255-4472	Dale Lange	Ada
B or A	BNI-AVF AFNOR Direction Certification Tour Europe, Cedex 7 92080 Paris La Defense FRANCE (011) 33-142915960 Telefac: (011) 33-142915656 Telex: AFNOR 611 974 F	M. Alphonse Philippe	Ada
I	IABG-AVF Industrieanlagen-Betriebsgesellschaft Dept. ITE Einsteinstrasse 20 D-8012 Ottobrunn Federal Republic of Germany +49-89-6088-2477 e-mail: tonndorf@ajpo.sei.cmu.edu	Michael Tonndorf	Ada
	Ada Information Clearinghouse 3D139 1211 S. Fern, C-107 The Pentagon Washington, D.C. 20301-3081 (703) 685-1477		Ada VSR(s)
	National Technical Information Service U.S. Department of Commerce 5285 Port Royal Road Springfield, VA 22161 (703) 487-4650		Ada VSR(s)

2.7 LANGUAGE PROCESSORS WITH CERTIFICATES NO NONCONFORMITIES

2.7.1 COBOL PROCESSORS

VENDOR	PROCESSOR ID *& VSR #*	HARDWARE & *OPERATING SYSTEM*	EXPIRY DATE	SUBSET	OTHER ENVIRONMENTS HW/*OS*
Bull HN	COBOL 85 Version 8c83.0 *NIST-92/1681*	DPS-90 *GCOS8 Version 4020 Release 3*	7/1/94	High	DPS 8000, DPS 9000 *GCOS8 Version 4020 Release 3*
Computer Associates	CA-Realia COBOL Version 4.2 Release 9305 *NIST-93/1301*	IBM PS/2 Model 80 *OS/2 Version 2.0*	6/1/94	Intermediate	IBM PS/2 Model 55SX, 60, 70, 90, 95 *OS/2 Version 2.0*
	CA-Realia COBOL Version 4.2 Release 9305 *NIST-93/1302*	IBM PS/2 Model 80 *MS/DOS Version 5.0*	6/1/94	Intermediate	IBM PS/2 Model 55sx, 60, 70, 90, 95 *MS-DOS Version 5.0*
Control Data Corporation	Micro Focus COBOL/2 Version 3.0 *NIST-93/1101*	Contol Data 4360 *EP/IX Version 2.1.1*	1/1/94	High	Control Data 4000 *EP/IX Version 2.1.1*
Digital Equipment Corporation	VAX COBOL Version 5.1 *NIST-92/224A*	VAX 8800 *VAX/VMS Version 5.5*	3/1/94	High	VAX 4000 mod 200, 300; VAX 6000 mod 200, 300, 400, 500; VAX 8200, 8250, 8300, 8350, 85XX, 8600, 8650, 8700, 8800, 8810, 8820, 8830, 8840; VAX 9000 mod 210, 400; VAXft 3000 mod 310; VAX-11/730, /780, /785; MicroVAX II, 2000, 3100, 3300, 3400, 3500, 3600, 3800, 3900; VAXstation II, 2000, 3100, 3200, 3500, 3520, 3540; VAX-server 3100, 3300, 3400, 3500, 3600, 3602, 3800, 3900, 4000 mod 200,300; 6000 mod 210/220, 310/320, 410/420, 510/520; *VAX/VMS Version 5.5*
Hewlett-Packard Company	COBOL/HP-UX Version B.07.00 *NIST-93/1501*	HP9000 Series 720 *HP-UX Version 9.0*	5/1/94	High	HP9000 Series 635, 645, 705, 710, 715/33, 715/50, 720, 725/50, 730, 735, 750, 755, 807, 815, 817, 822, 825, 827, 832, 834, 835, 837, 842, 845, 847, 850, 852, 855, 857, 860, 865, 867, 870, 870/200, 870/300, 870/400, 877, 887, 890/1, 890/2, 890/3, 890/4, 897, F10, F20, F30, G30, G40, G50, H20, H30, H40, H50, I30, I40, I50 *HP-UX Version 9.0*

COBOL PROCESSORS *Continued*

VENDOR	PROCESSOR ID & VSR #	HARDWARE & OPERATING SYSTEM	EXPIRY DATE	SUBSET	OTHER ENVIRONMENTS HW/OS
	COBOL/iX Version A.04.08 *NIST-93/1502*	HP3000 Series 967 *MPE iX Version B.09.66*	5/1/94	High	HP3000 Series 917, 920, 922, 925, 927, 932, 935, 937, 947, 948, 949, 950, 955, 957, 958, 960, 967, 977, 980/100, 980/200, 980/300, 980/400, 987, 990, 992 *MPE/iX Version A.40.00*
IBM Canada, Ltd.	COBOL/400 Version 2 Release 2 *NIST-92/2071*	AS/400 *OS/400 Version 2 Release 2*	9/1/94	Intermediate	
IBM Corporation	IBM SAA AD/CYCLE COBOL/370 Version 1 Release 1 *NIST-93/1021*	IBM 3090 *MVS/ESA Version 4.2.2*	12/1/93	High	IBM 390, 3000, 4381-T92, 9000 *MVS/ESA Version 3*
	IBM SAA AD/CYCLE COBOL/370 Version 1 Release 1 *NIST-93/1022*	IBM 3090 *VM/ESA Version ESA Release 1.0*	12/1/93	High	IBM 390, 3000, 4381-T92, 9000 *VM/ESA Version ESA Release 1.0*
	VS COBOL II Version 1 Release 4 *NIST-93/1801*	IBM 3090 *MVS/ESA Version 4 Release 2.2*	8/1/94	Intermediate	IBM 370, 390, 3000, 4300, 9000 *MVS/370 Version 1 Release 3.6, MVS/XA Version 2 Release 2.3*
	VS COBOL II Version 1 Release 4 *NIST-93/1802*	IBM 3090 *VSE/ESA Version 1 Release 3*	9/1/94	Intermediate	IBM 370, 390, 3000, 4300, 9000 *VSE/ESA Version 1 Release 3*
	VS COBOL II Version 1 Release 4 *NIST-93/1803*	IBM 3090 *VM/ESA Version ESA Release 1.0*	9/1/94	Intermediate	IBM 370, 390, 3000, 4300, 9000 *VM/SP6*
mbp Information-stechnologie GmbH	Visual COBOL XO Version 3.3 *NIST/NCC-93/976*	Sintronic 486 DX 50 *MS-DOS Version 5.0*	7/15/94	High	
	Visual COBOL XO Version 3.3 *NIST/NCC-93/977*	Hewlett Packard HP9000/807S *HP-UX Version 8.02*	7/15/94	High	

COBOL PROCESSORS *Continued*

VENDOR	PROCESSOR ID *& VSR #*	HARDWARE & *OPERATING SYSTEM*	EXPIRY DATE	SUBSET	OTHER ENVIRONMENTS HW/*OS*
Micro Focus	Micro Focus COBOL for DOS, Windows and OS/2, Version 3.1 *NIST-93/1821*	Compaq Deskpro *IBM OS/2 Version 2.0* IBM PS/2 Model 90 *IBM OS/2 Version 1.3* IBM PS/2 Model 90 *Microsoft Windows NT* IBM PS/2 Model 80 *Microsoft DOS Version 6*	8/1/94	High	IBM PS/2 Models 70, 80 *IBM OS/2 Version 2.0* IBM PS/2 Models 60, 65sx, 80 *IBM OS/2 Version 1.3* IBM PS/2 Models 90, 65sx, 60 *MS DOS Version 6.0* IBM PS/2 Models 80, 70-486, 65sx, 60 *MS DOS Version 5.0* IBM PS/2 Models 90, 80, 65sx, 60 *MS DOS Version 4.0* IBM PS/2 Models 80, 70-486, 65sx, 60 *MS DOS Version 3.3*
	Micro Focus COBOL V3.1 for UNIX (Sun SPARC running Solaris 2) *NIST-93/1822*	Sun Sparcstation Model 2 *Sun Solaris (SunOS 5.1) Version 2*	8/1/94	High	
	Micro Focus COBOL for V3.1 for UNIX (IBM RS/6000) *NIST-93/1823*	IBM RS/6000 Powerstation Model 320 *AIX Version 3 Release 2.3*	8/1/94	High	
	Micro Focus COBOL V3.1 for UNIX (Intel 80386 running UNIX SVR4.2) *NIST-93/1824*	NCR 3000 Series Model 3314 UNIX System V Release 4	8/1/94	High	
	Micro Focus COBOL V3.1 for UNIX (Intel 80386 running UNIX SVR4.2) *NIST-93/1825*	UNIQ 486 EISA (Intel 80486 Processor) *UNIXWARE SYSTEM V, Release 4.2*	8/1/94	High	
	Micro Focus COBOL V3.1 for UNIX (Intel 80386 running SCO UNIX) *NIST-93/1826*	HIMS Technology (Intel 80486 processor) *SCO UNIX System V, Release 3.2*	8/1/94	High	
	Micro Focus COBOL V3.0.50 for UNIX (Sun SPARC running Solaris 1) *NIST-93/1827*	Sun Sparcstation Model 10 *Sun Solaris (SunOS 4.1.3) Version 1*	8/1/94	High	
	Micro Focus COBOL V3.0.50 for UNIX (Pyramid MISserver) *NIST-93/1828*	Pyramid MISserver-S *UNIX System V Release 4 DC/OSx V1.1*	8/1/94	High	
	Micro Focus COBOL V3.0 for UNIX (Intel 80386 running UNIX SVR4.0) *NIST-93/1829*	AT&T Star Server-E *UNIX System V, Version 2.1 Release 4*	8/1/94	High	

COBOL PROCESSORS *Continued*

VENDOR	PROCESSOR ID & *VSR #*	HARDWARE & *OPERATING SYSTEM*	EXPIRY DATE	SUBSET	OTHER ENVIRONMENTS HW/*OS*
Microsoft Corporation	Microsoft COBOL Version 5.0 *NIST-92/1962*	IBM PS/2 Model 60 *IBM DOS Version 5.0* Compaq Deskpro *Microsoft DOS, Version 4.01*	8/1/94	High	IBM PS/2 Model 80 *DOS Version 3.3*
Sequent Computer Systems Corp.	Micro Focus COBOL Version 3.0 *NIST-93/1391*	S2000/250 *DYNIX/ptx Version 2 Release 0*	4/1/94	High	S2000/450, S2000/750 *DYNIX/ptx, Version 2 Release 0*
Siemens Nixdorf Informations-systeme AG	COBOL85 Version 2.1A *NIST/NCC-93/975*	7.592I *BS2000/OSD (BS 2000) Version 1.0A (11.0A)*	5/1/94	High	
Tandem Computers, Inc.	COBOL85 Version D20 *NIST-93/1541*	NonStop VLX *Guardian 90 Version D10*	6/1/94	High	
Unisys Corporation	A Series COBOL85, Mark 4.0.1.2 *NIST-92/2121*	Unisys A10 *MCP/AS Version Mark 4.0*	11/1/93	High	Unisys A Ser Micro A, A1, A2, A3, A4, A5, A6, A9, A10, A11, A12, A15, A16, A17, A19; *MCP/AS Mark 4.0*
	UCS COBOL (UCOB) Version 6R1 Release SB5R1 *NIST-93/1841*	2200/900 *1100 OS EXEC, Version 44R1 Release SB5R1*	8/1/94	High	2200/600, 2200/400, 1100/90 *1100 OS EXEC, Version 44R1 Release SB5R1*

2.7.2 FORTRAN PROCESSORS

VENDOR	PROCESSOR ID *& VSR #*	HARDWARE & *OPERATING SYSTEM*	EXPIRY DATE	LEVEL	OTHER ENVIRONMENTS HW/*OS*
Amdahl Corporation	Amdahl Fortran Version 1 *NIST-92/2082*	Amdahl 5990 *MLS Version 2 Release 1.4*	12/1/93	Full	Amdahl 5995-1400, 5995M, 5890 *MLS Version 2 Release 1.4*
Bull HN	FORTRANA Release R3.1 *NIST-93/1202*	DPS 6000 Model 634 *GCOS6 HVS Version 2.0*	1/1/94	Full	DPS6/EMMU *GCOS6 MOD 400 Release 4.1* DPS6 PLUS *HVS6 PLUS Version 2.0* DPS 6000 *GCOS6 HVS Version 2.0*
	Fortran 77-ESV Version 8FV4.1 *NIST-92/1682*	DPS-9000E *GCOS8 Version SR40203*	7/1/94	Full	DPS-90, DPS-8000 *GCOS8 Version SR40203*
	Fortran SXL-3001 Version 01.00 *BIA/92/001*	DPX/2 210 *B.O.S.Version 02.01*	1/1/94	Full	DPX/2 2000 and 300 FAMILIES *B.O.S. Version 02.01*
	BOS/X Fortran Compiler Version 2.2 *BIA/92/002*	DPX/20 *BOS/X Version 3*	1/1/94	Full	DPX/20 FAMILIES *BOS/X Version 3*
Concurrent Computer Corporation	SP-2450 (Fortran 77) Version 2 Release 1 *NIST-92/1501*	7100 *RTU 6.1*	6/1/94	Full	7400, 7500, 7200, 7502 *RTU Version 6.1* 6300, 6350, 6400, 6450, 6600, 6605, 6650, 6652, 6655, 6700, 6705, 6750, 6752 *RTU Version 6.0*
	SP-2450 (Fortran 77) Version 2 Release 2 *NIST-92/1504*	8500/4 *RTU 6.0A*	6/1/94	Full	8450, 8550, 8400 *RTU Version 6.0A*
	Fortran VII Z Version R06 Release 01 *NIST-92/1502*	3280 MPS *OS/32 Version R09 Release 01*	6/1/94	Full	3205, 3210, 3220, 3230, 3240, 3250, 3230XP, 3250XP, 3280XP, 3230MPS, 3260MPS, 3280E MPS; Micro 3200CS*, Micro 3200ES*, Micro 3200 MPS* *OS/32 Version R09 Release 01*
	Fortran VII O Version R06 Release 01 *NIST-92/1503*	3280 MPS *OS/32 Version R09 Release 01*	6/1/94	Full	3205, 3210, 3220, 3230, 3240, 3250, 3230XP, 3250XP, 3280XP, 3230MPS, 3260MPS, 3280E MPS; Micro 3200CS*, Micro 3200ES*, Micro 3200 MPS* *OS/32 Version R09 Release 01*
Control Data Corporation	Fortran/77 Version 3.11 *NIST-93/1102*	Contol Data 4680 *EP/IX Version 2.1.1*	2/1/94	Full	Control Data 4000 *EP/IX Version 2.1.1*

FORTRAN PROCESSORS, *Continued*

VENDOR	PROCESSOR ID *& VSR #*	HARDWARE & *OPERATING SYSTEM*	EXPIRY DATE	LEVEL	OTHER ENVIRONMENTS HW/*OS*
Convex Computer Corporation	Convex Fortran Version 8 *NIST-93/1421*	Convex C3880 *ConvexOS Version 10.2*	5/1/94	Full	Convex C-Series *ConvexOS Version 10.1, 10.2*
Cray Research, Inc.	CF77 Compiling System Release 6.0 *NIST-93/1221*	Cray C90 *UNICOS Release 7.C.2ck*	8/1/94	Full	Cray C90 *UNICOS Release 7.0*
	CF77 Compiling System Release 6.0 *NIST-93/1222*	Cray Y-MP *UNICOS Release 7.C.2cl*	8/1/94	Full	Cray Y-MP, Cray Y-MPEL *UNICOS Release 7.0*
Cray Computer Corporation	f77 Version 1.0 *NIST-93/2201*	CRAY-3 *CSOS Version 1.0*	11/1/94	Full	
	f77 Version 1.0 *NIST-93/2202*	Cray 3 *CSOS Version 1.0*	11/1/94	Full	
Digital Equipment Corporation	DEC Fortran Version 3.2 *NIST-92/2241*	DECstation 5000, Mod 200 *Ultrix Version 4.2*	12/1/93	Full	Decstation 2100 3100 3100s; 5000-120/125, 200, 200CX, 200PX, 200PXG, 200PXG Turbo; DECsystem 3100, 5000 Mod 200, 5100, 5400, 5500, 5810, 5820, 5830, 5840 *Ultrix for RISC Version 4.2*
	DEC Fortran Version 3.1 *NIST-92/2242*	DECstation 5000-125 *OSF Version 1.0*	12/1/93	Full	Decstation 2100 3100 3100s; 5000-120/125, 200, 200CX, 200PX, 200PXG, 200PXG Turbo; DECsystem 3100, 5000 Mod 200, 5100, 5400, 5500, 5810, 5820, 5830, 5840 *OSF Version 1.0*
	VAX Fortran Version 5.8 *NIST-92/2243*	VAX 6000-420 *VAX/VMS Version 5.4*	12/1/93	Full	VAX 4000 200 300; 6000 200 300 400 500; 8200 8250 8300 8350 85xx 8600 8650 8700 8800 8810 8820 8830 8840; 9000 210 400; VAXft 3000-310; VAX-11/ 730/750/780/785; MicroVAX II 2000 3100 3300 3400 3500 3600 3800 3900; VAXstation II 2000 3100 3200 3500 3520 3540; VAXserver 3100 3300 3400 3500 3600 3602 3800 3900 4000 Mod 200 300; 6000 210/220 310/320 410/420 510/520 *VMS Version 5.4*

FORTRAN PROCESSORS, *Continued*

VENDOR	PROCESSOR ID *& VSR #*	HARDWARE & *OPERATING SYSTEM*	EXPIRY DATE	LEVEL	OTHER ENVIRONMENTS HW/*OS*
	DEC Fortran for OPenVMS VAX, Version 6.0 *NIST-92/2244*	VAX 6000-420 *VMS Version 5.4*	12/1/93	Full	VAX 4000 200 300; 6000 Series 200 300 400 500; 8200 8250 8300 8350 85xx 8600 8650 8700 8800 8810 8820 8830 8840; 9000 210 Ser 400; VAXft 3000-310; VAX-11 /730/750 /780/785; MicroVAX II 2000 3100 3300 3400 3500 3600 3800 3900; VAXstation II 2000 3100 3200 3500 3520 3540; VAXserver 3100 3300 3400 3500 3600 3602 3800 3900 4000 200 300; 6000 210/220 310/320 410/420 510/520 *VMS Version 5.4*
	DEC Fortran for OpenVMS AXP, Version 6.0 *NIST-92/2246*	DEC 3000-500 *Open VMS AXP Version 1.0*	12/1/93	Full	DEC/10000, /7000, /4000, /3000, 2000, 1000 *Open VMS AXP Version 1.0*
	VAX Fortran Ultrix Version 5.1 *NIST-92/2245*	VAX 6320 *VMS Version 5.4*	12/1/93	Full	VAX 4000 200 300; 6000 Series 200 300 400 500; 8200 8250 8300 8350 85xx 8600 8650 8700 8800 8810 8820 8830 8840; 9000 210 Ser 400; VAXft 3000-310; VAX-11 /730/750 /780/785; MicroVAX II 2000 3100 3300 3400 3500 3600 3800 3900; VAXstation II 2000 3100 3200 3500 3520 3540; VAX-server 3100 3300 3400 3500 3600 3602 3800 3900 4000 200 300; 6000 210/220 310/320 410/420 510/520 *Ultrix Version 4.2*
	DEC Fortran Version 3.3 for DEC OSF/1 AXP Systems *NIST-93/1312*	DEC/3000-400 *DEC OSF/1 AXP, Version 1.2*	3/1/94	Full	DEC/10000, DEC/7000, DEC/4000, DEC/3000, DEC/2000, DEC/1000 *DEC OSF/1 AXP Version 1.2*
	DEC Fortran for Windows NT AXP Systems, Version 1.0 *NIST-93/1761*	DECpc AXP/150 *Windows NT AXP, Version 1.0*	8/1/94	Full	
Edinburgh Portable Compilers LTD	EPC Fortran 77 Version 2.6.4.1 *NIST/NCC-92/961*	ICL DRS 3000 *ICL DRS/NX SVR4 Version 5.0*	10/13/93	Full	
	EPC Fortran 77 Version 2.6.4.4 *NIST/NCC-92/962*	ICL DRS 6000 *ICL DRS/NX SVR4 Version 5.0*	10/13/93	Full	
Encore Computer Corporation	Parallel Fortran+ Version 1.2.0 *NIST-93/1443*	Encore 93 *UMAX V Version 3.1.2*	5/1/94	Full	

FORTRAN PROCESSORS, *Continued*

VENDOR	PROCESSOR ID *& VSR #*	HARDWARE & *OPERATING SYSTEM*	EXPIRY DATE	LEVEL	OTHER ENVIRONMENTS HW/*OS*
	Parallel Fortran+ Version 1.2.0 *NIST-93/1442*	Encore 91 *UMAX V Version 3.0.7*	5/1/94	Full	Infinity 90 *UMAX V Version 3.0.7*
	Fortran 77+ Version 5.2.0 *NIST-93/1441*	Concept 32/97 *MPX-32 Version 3.5u02A*	5/1/94	Full	Concept 32/67, 32/20xx, Encore RSX *MPX-32 Version 3.5u02A*
	GCF Version 2.0 *NIST-93/1542*	Concept 32/97 *MPX-32 Version 3.5u02*	4/1/94	Full	Concept 32/67, 32/20xx, Encore RSX *MPX-32 Version 3.5u02*
Fujitsu America Inc.	Fortran 77-M Version 10 Level 31 *NBS/ICST-88/3561*	Amdahl 5860 *IBM MVS/SP Version 2.2.0*	12/1/93	Full	Amdahl 580; Amdahl Vector Processor *IBM MVS/SP Version 2*
	Fortran 77/VP-M Version 10 Level 30 *NBS/ICST-88/3562*	Amdahl 1200E *IBM MVS/SP Version 2.2.0*	12/1/93	Full	Amdahl Vector Processor; Amdahl 580 *IBM MVS/SP Version 2*
	Fortran 77 Version 10 Level 31 *NBS/ICST-88/3563*	Amdahl 1200E *VSP Version 10*	12/1/93	Full	FACOM M *FACOM OS IV/F4 MSP Edition 20* FACOM VP; Amdahl Vector Processor *VSP Version 10*
	Fortran 77/VP Version 10 Level 30 *NBS/ICST-88/3564*	Amdahl 1200E, FACOM VP *VSP Version 10*	12/1/93	Full	FACOM M *FACOM OS IV/F4 MSP Edition 20* FACOM VP; Amdahl Vector Processor *VSP Version 10*
	OSIV/MSP Fortran 77 Version 11 Level 10 *NIST-91/1383*	Fujitsu VP100E *OSIV/F4 MSP Edition 20*	2/1/94	Full	Fujitsu M780; M760 *OSIV/F4 MSP Edition 20*
	OSIV/MSP Fortran 77 Version 11 Level 10 *NIST-91/1384*	Amdahl 5990 *IBM MVS/SP Version 3 Release 1.3*	2/1/94	Full	IBM 3090/200E *IBM MVS/SP Version 2 Release 2.3*
	UXP/M Fortran77 EX/VP Version 12 Level 10 *NIST-91/1601*	Fujitsu VP2400/10 *UXP/M Version 10 Level 10*	2/1/94	Full	Fujitsu VP2000 Series *UXP/M Version 10 Level 10*
	UXP/M Fortran77 EX Version 12 Level 10 *NIST-91/1602*	Fujitsu VP2400/10 *UXP/M Version 10 Level 10*	2/1/94	Full	Fujitsu VP2000 Series Fujitsu M Series *UXP/M Version 10 Level 10*
HNSX Supercomputers Inc.	Fortran77/SX (f77sx) Release 031 *NIST-93/1081*	NEC SX-3 Model 22 *SUPER-UX Release 2.2*	1/1/94	Full	NEC SX-3/11, /12, /14, /24, /42, /44; HNSX SX-3/11, /12, /14, /24, /42, /44 *SUPER-UX Release 2.2*

FORTRAN PROCESSORS, *Continued*

VENDOR	PROCESSOR ID & VSR #	HARDWARE & OPERATING SYSTEM	EXPIRY DATE	LEVEL	OTHER ENVIRONMENTS HW/OS
Hewlett-Packard Company	HP 9000 S800 Fortran 77 Version A.09.00 Rel 9.0 *NIST-93/1123*	HP9000 Model 835 *HP-UX Version 9.0*	1/1/94	Full	HP9000, mod 807, 817, 825, 827, 834, 835, 837, 840, 845, 847, 850, 857, 860, 867, 870 *HP-UX Version 9.0*
	HP 9000 S700 Fortran 77 Version A.09.00 Rel 9.0 *NIST-93/1121*	HP9000 Model 720 *HP-UX Version 9.0*	1/1/94	Full	HP9000, mod 705, 710, 730, 750 *HP-UX Version* 9.0
	HP 9000 S300/S400 Fortran 77 Version A.09.00 Rel 9.0 *NIST-93/1122*	HP9000 Model 433T *HP-UX Version 9.0*	1/1/94	Full	HP9000, mod 400, 425, 332, 345, 350, 360, 370, 375, 380, 385 *HP-UX Version* 9.0
	HP 3000 S900 Fortran 77 Version A.04.31 Rel 4.0 *NIST-93/1124*	HP3000 Model 947LX *MPE/iX Version 4.0*	1/1/94	Full	HP3000, mod 917, 922, 925, 927, 930, 932, 935, 937, 950, 955, 957, 960, 967, 980, 990 *MPE/iX Version 4.0*
IBM Canada, LTD	IBM AIX XL Fortran Compiler/6000 Version 2 Release 3 *NIST-92/2031*	IBM RISC System/6000 POWERstation/ POWERserver 540 *AIX for RISC System/6000 Version 3 Release 2*	9/1/94	Full	RISC System/6000 Powerstation /Powerserver 220, 320H, 340, 350, 520H, 530, 530E, 540, 550, 560, 560F, 730, RISC System/6000 Powerserver 930, 950, 970 *AIX for RISC System/6000 Version 3 Release 2*
IBM Corporation	VS Fortran Version 2 Release 5 *NIST-91/1921*	IBM 4381 *VM/SP Version 1 Release 5*	8/1/94	Full	S/370 30xx, 43xx, 93xx, S/390, ES/9000 *VM/XA Version 1, Rel 1, 2* S/370 30xx, 43xx, S/390, ES/9000 *VM/ESA Version 1, Rel 1, 1.1*
	VS Fortran Version 2 Release 5 *NIST-91/1922*	IBM S/370 3090 *MVS/ESA SP Version 4 Release 2*	8/1/94	Full	S/370 30xx, 43xx, 93xx, S/390, ES/9000 *MVS/SP Version 1, Release 3* *MVS/SP Version 2, Release 2* *MVS/SP Version 3, Release 1*
	VS Fortran Version 2 Release 5 *NIST-90/1823*	IBM 3090 *AIX/370 Version 1 Release 2*	8/1/94	Full	S/370, 30xx, 43xx, 93xx *AIX/370 Version 1, Release 2*
Intergraph Corporation	CLIPPER Advanced Optimizing Fortran, Version 1.57 *NIST-93/1041*	CLIPPER IS4000 *CLIX, Version 6.5*	12/1/93	Full	CLIPPER C300 and C400 *CLIX, Version 6.5*
Liant Software Corporation	Fortran/400, Version 1 Release 3 *NIST-92/1181*	IBM AS/400 B4500 *IBM OS/400, Version 1*	1/1/94	Full	
	Fortran/400, Version 2 Release 1 *NIST-92/1182*	IBM AS/400 B4500 *IBM OS/400, Version 2*	1/1/94	Full	

FORTRAN PROCESSORS, *Continued*

VENDOR	PROCESSOR ID & VSR #	HARDWARE & OPERATING SYSTEM	EXPIRY DATE	LEVEL	OTHER ENVIRONMENTS HW/OS
[illegible]soft Corporation	Fortran PowerStation 32 for Windows NT, Version 1.0 *NIST-93/2061*	Dell PC 486D/SO with Intel 486 CPU *Microsoft Windows NT Version 3.1*	10/1/94	Full	
	[illegible]ft FORTRAN [illegible]tation Version 1.0 *[illegible]93/1181*	Gateway 2000 486/33C 80387 math co-processor, Microsoft DOS Version [illegible] *Microsoft Win[illegible]s Ver 3.1* Compaq DeskPro 386/20e *MS-DOS V[illegible]n 5.0*	3/1/94	Full	
Salford Software Limited	FTN77/386 Version 2.69 *NIST/NC[illegible]92/963*	Vanilla 38[illegible] *MS-DOS Version 5.00*	10/13/93	Full	
	FTN77/[illegible] Version [illegible]69 *NIST/NCC-92/964*	Tandon 486[illegible] *MS-DOS Ver[illegible]5.00*	10/13/93	Full	
	FTN77/fix Version 1.19 *NIST/NCC-92/965*	Elonex PC 386S-200 *SCO Unix Version 5.3.2*	10/13/93	Full	
Sequent Computer Systems, Inc.	ptx Fortran Version 2 Release 1P *NIST-92/2141*	S2000/250 *Dynix/ptx Version 2 Release 0*	10/1/93	Full	S2000/450, S2000/750 *Dynix/ptx Version 2 Release 0*
Siemens Nixdorf Informations-systeme AG	Sinix Fortran77 V1.2C *GMD/VAL-92-010* *(pending)*	Targon/31 (Motorola 68040) *Sinix-TOS-O V5.41*	7/1/93	Full	
Silicon Graphics Computer Systems Inc.	Fortran Release 3.6 *NIST-93/1164*	IRIS 4D/25 *IRIX 5.0*	4/1/94	Full	Personal IRIS, IRIS, IRIS 4D/50, 4D/70, 4D/120, 4D/220, 4D/280 *IRIX Release 5.0*
	Fortran 77 Release 3.11 *NIST-93/1163*	M/120 *RISC/OS Release 5.01*	4/1/94	Full	M/800, M/1000, RC2030, RC3240, RC3260, RC4230, RC6280, RS2030, RS4230 *RISC/OS Release 5.01*
SUNPRO - A Sun Microsystems, Inc. Business	SPARCcompiler Fortran Version 2.0.1 *NIST-93/1381*	SPARCstation 2, SPARCstation 10, SPARCserver 690 *SunOS Version 4.1.3* SPARCstation 10, SPARCcenter 2000, SPARCserver 690MP *SunOS Version 5.2*	7/1/94	Full	

FORTRAN PROCESSORS, *Continued*

VENDOR	PROCESSOR ID *& VSR #*	HARDWARE & *OPERATING SYSTEM*	EXPIRY DATE	LEVEL	OTHER ENVIRONMENTS HW/*OS*
	ProCompiler Fortran Version 3.0.1 *NIST-93/1901*	DELL Model 433DE *Solaris Version 2.1 Release X86*	8/1/94	Full	
Tandem Computers, Inc.	Fortran Version D10 *NIST-93/1542*	NonStop VLX *Guardian 90 Version D10*	6/1/94	Full	
Unisys Corporation	A Series Fortran77 Mark 4.0 *NIST-91/2212*	Unisys A10 *MCP/AS Mark 4.0*	10/1/93	Full	Unisys A Series, Micro A, A1, A2, A3, A4, A5, A6, A9, A10, A12, A15, A16, A17, A19 *MCP/AS, Mark 4.0*
	UCS Fortran (UFTN), Version 5R1 Release SB5R1 *NIST-93/1842*	2200/900 *1100 OS EXEC, Version 44R1 Release SB5R1*	8/1/94	Full	2200/600, 2200/400, 1100/90 *1100 OS EXEC, Version 44R1 Release SB5R1*

2.7.3 Ada PROCESSORS

The following are Ada compilers that have been validated by the Ada Joint Program Office (AJPO). Compilers are listed in order of vendor. The list is updated monthly, and presently includes 320 base compilers and 330 compilers derived from base implementations. For the most current information on validated Ada compilers, please contact the Ada Information Clearinghouse at (703) 685-1477.

For background information, please see "An Introduction to the Validation Process".

(Key: * = Validated through Registration, base system above)
#YYMMDDFX.XXNNN = Certificate Number: YYMMDD = date on-site testing was completed;
F = Ada Validation Facility;
X.XX = ACVC Version;
NNN = sequence number assigned by AVO

On April 14, 1992, the AJPO announced it was "freezing" the Ada Compiler Validation Capability (ACVC) on version 1.11. Current ACVC 1.11 certificates will expire two years after Ada 9X has been adopted by ANSI. The ACVC version 1.11 will expire one year before certificates (i.e., 12 months after ANSI Ada 9X adoption) as has been the practice. This extended life for ACVC 1.11 means that there will be an overlap period between ACVC 1.11 (for ANSI/MIL-STD-1815A validations) and ACVC 2.0 (for ANSI/MIL-STD-1815B validations).

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
AETECH, Inc. IntegrAda 386 5.1.0 (#901120W1.11087)	Northgate 386/25 (under Phar Lap/DOS 3.3)	Northgate 386/25 (under MS DOS 3.3)
*Validated by Registration		
AETECH, Inc. IntegrAda 386 5.1.0 (BASE #901120W1.11087)	Any Computer System Comprising: cpu: Intel 80386, fpu: optional, memory: 4 MByte RAM, disk: 40 MByte hard drive (under Phar Lap/DOS 3.3)	Any Computer System Comprising: cpu: Intel 80386, fpu: optional, memory: 4 MByte RAM, disk: 40 MByte hard drive (under MS DOS 3.3)
AETECH, Inc. IntegrAda 5.1.0 POSIX (#901129W1.11086)	Unisys PW/2 386 (under SCO Unix 3.2)	Same as Host
*Validated by Registration		
AETECH, Inc. IntegrAda Posix 5.1.0 (BASE #901129W1.11086)	Any Computer System Comprising: cpu: Intel 80386, fpu: optional, memory: 4 MByte RAM, disk: 60 MByte hard drive (under SCO Unix 3.2)	Same as Host
*Validated by Registration		
AETECH, Inc. AETECH POSIX Compiler, Version 5.1.0 (BASE #901129W1.11086)	Any Computer System Comprising: cpu: Intel 80386 & 80486, fpu: optional, memory: 4 MByte RAM, disk: 60 MByte hard drive (under Interactive Unix System V, Release 3.2)	Same as Host
*Validated by Registration		
AETECH, Inc. AETECH POSIX Compiler Version 5.1.0 (BASE #901129W1.11086)	Any Computer System Comprising: cpu: Intel 80386 & 80486; fpu: optional; memory: 4 MByte RAM; disk: 60 MByte hard drive (under ESIX System V, Release 4.0)	Same as Host
Aitech Defense Systems, Inc. AI-ADA/88K Version 2.4 (#900930W1.11030)	VAXstation 3100 Cluster (under VMS 5.3)	Tadpole TP880V (88100-based VME board) (bare machine)
*Validated by Registration		
Aitech Defense Systems, Inc. AI-ADA/88K, Version 2.4 (BASE #900930W1.11030)	All DEC MicroVAX, VAXstation, VAXserver, VAX-11, VAX 8xxx & VAX 6xxx series (under VMS versions 5.0, 5.1, 5.2 & 5.3, as supported)	Tadpole TP880V (88100-based VME board) & Motorola MVME181 (88100-based VME board) (bare machines)
Aitech Defense Systems, Inc. AI-ADA/96K, Version 3.0 (#911012W1.11224)	VAXstation 3100 Cluster (under VMS 5.3)	DSP96002 ADS board (bare machine)
Aitech Defense Systems, Inc. AI-ADA/96K, Version 3.0 (#911012W1.11225)	Sun-4/330 (under SunOS 4.1.1)	DSP96002 ADS board (bare machine)
Alenia Aeritalia & Selenia S.p.A DACS VAX/VMS to 80x86 PM MARA Ada Cross Compiler, Version 4.6 (#920509S1.11259)	MicroVAX 4000/200 (under VMS Version 5.4)	Alenia MARA (80286-based) (under Alenia Operating System, Version 8.6 System)
*Validated by Registration		
Alenia Aeritalia & Selenia S.p.A DACS 80x86PM, Version 4.60 (BASE #920509S1.11259)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, & VAX 9000 Series of computers (under VMS 5.4)	Alenia MARA 80386- & 80486-based computers (under Alenia Operating System 8.6)
Alliant Computer Systems Corporation Alliant FX/Ada-2800 Compiler, Version 1.0 (#901218W1.11105)	Alliant FX/2800 (under Concentrix Release 2.0)	Same as Host
Alliant Computer Systems Corporation Alliant FX/Ada Compiler, Version 2.3 (#901218W1.11106)	Alliant FX/80 (under Concentrix Release 5.7)	Same as Host
Alsys AlsyCOMP_053, Version 1.82 (#900509I1.11009)	VAX 8530 (under VMS, Version 5.1)	Same as Host
Alsys AlsyCOMP_042, Version 5.3 (#900627N1.11013)	IBM 9370 Model 90 (under AIX/370 Version 1.2)	Same as Host
Alsys AlsyCOMP_026, Version 1.82 (#900814I1.11040)	Sun-3/60 (under SunOS, Version 4.0.3)	Same as Host

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Alsys AlsyCOMP_025, Version 1.83 (#900814I1.11041)	MIPS M/120-5 (under RISC/os, Version 4.0)	Same as Host
Alsys AlsyCOMP_048, Version 5.3 (#901022A1.11043)	Sony NEWS NWS-1850 NEWS-OS 3.3)	Same as Host
*Validated by Registration Alsys AlsyCOMP_046, Version 5.3 (BASE #901022A1.11043)	Sony NEWS series 1250, 15xx, 17xx, 18xx & 19xx (under NEWS-OS versions 3.3 & 3.4)	Any Host
Alsys AlsyCOMP_004, Version 5.3 (#901022A1.11044)	Apollo DN4000 (under Domain/OS SR10.2)	Same as Host
*Validated by Registration Alsys AlsyCOMP_004, Version 5.3 (BASE #901022A1.11044)	Apollo DN3000, DN3500, DN4000 & DN4500 (under Domain/OS SR10.2 & SR10.3)	Any Host
*Validated by Registration Alsys AlsyCOMP_004 Version 5.5.1 (BASE #901022A1.11044)	HP Apollo 9000 Series 400 (under Domain/OS SR10.4)	Any Host
Alsys AlsyCOMP_050, Version 5.3 (#901022A1.11045)	Bull DPX/2 320 (under B.O.S. 02.00.05)	Same as Host
*Validated by Registration Alsys AlsyCOMP_050, Version 5.3 (BASE #901022A1.11045)	Bull DPX 2/210, /220, /320, /340 & /360 (under BOS 02.00.05 & 2.00.10)	Any Host
Alsys AlsyCOMP_002, Version 5.3 (#901022A1.11048)	HP 9000s350 (under HP-UX 6.5)	Same as Host
*Validated by Registration Alsys AlsyCOMP_002, Version 5.3 (BASE #901022A1.11046)	HP 9000 Series 300, all models (under HP-UX 6.5 & 7.0)	Any Host
*Validated by Registration Alsys AlsyCOMP_002 Version 5.5.1 (BASE #901022A1.11048)	HP 9000 Series 300 & 400 (all models) (under HP-UX 6.0)	Any Host
Alsys AlsyCOMP_005, Version 5.3 (#901022A1.11047)	Sun-3/260 (under SunOS 3.2)	Same as Host
*Validated by Registration Alsys AlsyCOMP_005, Version 5.3 (BASE #901022A1.11047)	Sun 3/50, /60, /75, /80, /160, /260, /280, /470 & /480 (under SunOS 3.2, 3.5, 4.0 & 4.1)	Any Host
*Validated by Registration Alsys AlsyCOMP_005 Version 5.5.1 (BASE #901022A1.11047)	Sun Microsystems Sun-3 computer family (under SunOS 4.1.1)	Any Host
Alsys AlsyCOMP_035, Version 5.3 (#901022A1.11048)	CETIA Unigraph 6000 (under Unigraph/X 3.1)	Same as Host
*Validated by Registration Alsys AlsyCOMP_035, Version 5.3 (BASE #901022A1.11048)	Unigraph 1000/325, 2000/50, 2000/250, 2000/325, 3000/325-333, 6000/325-333, 7000/325, 8000/325 & 9000 (under Unigraph/X 3.1 & 3.1.1)	Any Host
*Validated by Registration Alsys AlsyCOMP_035 Version 5.5.1 (BASE #901022A1.11048)	CETIA Unigraph models 1000/325; 2000/50, /250, /325; 3000/325-333; 6000/325-333; 7000/325/ 8000/325; & 9000 (under Unigraph/X 3.2c.1)	Any Host
Alsys AlsyCOMP_016 Version 5.1 (#901102W1.11055)	Compaq Deskpro 386 (under MS-DOS 3.30, Phar Lap 2.0)	Same as Host
*Validated by Registration Alsys AlsyCOMP_016 Version 5.1.1 (BASE #901102W1.11055)	Any Computer System that executes the Intel 80386 or 80486 Instruction set (under MS/DOS 5.0 & Phar Lap 4.0)	Any Host
Alsys AlsyCOMP_016 Version 5.1 (#901102W1.11056)	CompuAdd 320 (under MS-DOS 3.30, Phar Lap 2.0)	Same as Host
*Validated by Registration Alsys AlsyCOMP_016, Version 5.1 (BASE #901102W1.11056)	HP Vectra RS/20, RS/20C, RS/25 & RS/25C; AST Premium 386; and Unisys 386 & Desktop III (under MS-DOS 3.30, Phar Lap 2.0)	Any Host
*Validated by Registration Alsys AlsyCOMP_016 Version 5.1 (BASE #901102W1.11056)	Any Computer System Comprising: cpu: Intel 80386; fpu: optional; memory: 5 MByte RAM; disk: 10 MByte (under MS-DOS 3.30, Phar Lap 2.0)	Same as Host
Alsys AlsyCOMP_016 Version 5.1 (#901102W1.11057)	ALR Power Veisa 486 (under MS-DOS 3.30, Phar Lap 2.0)	Same as Host
Alsys AlsyCOMP_003 Version 5.1 (#901102W1.11058)	HP Vectra RS/25C (under MS-DOS 3.30)	Same as Host
*Validated by Registration Alsys AlsyCOMP_003, Version 5.1 (BASE #901102W1.11058)	Unisys Desktop III (under MS-DOS 3.30)	Same as Host

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Alsys AlsyCOMP_003 Version 5.1 (BASE #901102W1.11058)	Any Computer System that executes the Intel 80286, 80386, or 80486 instruction set (under MS/DOS 5.0)	Any Host
Alsys AlsyCOMP_003 Version 5.1 (#901102W1.11059)	Zenith Z-248 Model 50 (under MS-DOS 3.30)	Same as Host
*Validated by Registration Alsys AlsyCOMP_003, Version 5.1 (BASE #901102W1.11059)	ICS SB286SC/12 (under MS-DOS 3.30)	Same as Host
*Validated by Registration Alsys AlsyCOMP_003, Version 5.1 (BASE #901102W1.11059)	HP Vectra ES/12; and IBM PC/AT (all models) (under MS-DOS 3.30)	Any Host
Alsys AlsyCOMP_037, Version 5.2 (#901114N1.11065)	INMOS T800 transputer on a B405 TRAM (bare) with an INMOS B008 Communications link implemented in an IBM PC/AT (under MS-DOS 3.1 and INMOS Iserver V1.3)	INMOS T800 transputer on a B405 TRAM (bare) using an IBM PC/AT under MS-DOS 3.1 running INMOS Iserver 1.3 for file-server support via an INMOS B008 board link
*Validated by Registration Alsys AlsyCOMP_037, V5.3 (BASE #901114N1.11065)	INMOS T800 transputer on a B403 TRAM (bare) with an INMOS B008 Communications link implemented in an IBM PC/AT (under MS-DOS 3.1 and INMOS Iserver V1.3)	INMOS T800 transputer on a B405 TRAM (bare) using an IBM PC/AT under MS-DOS 3.1 running INMOS Iserver 1.3 for file-server support via an INMOS B008 board link; INMOS T425 transputer on a B403 TRAM (bare) using an IBM PC/AT under MS-DOS 3.1 running INMOS Iserver 1.3 for file-server support via an INMOS B008 board link
*Validated by Registration Alsys Alsycomp_037 Version 5.4.2 (BASE #901114N1.11065)	INMOS T800 transputer on a B405 TRAM board (bare), with an INMOS B008 Communications link implemented in an IBM PC/AT (under MS-DOS 3.1 and INMOS Iserver V1.42h)	INMOS T800 transputer on a B405 TRAM (bare), using an IBM PC/AT under MS-DOS 3.1 running INMOS Iserver V1.42h for file-server support via an INMOS B008 board link and INMOS T425 transputer on a B403 TRAM (bare), using an IBM PC/AT under MS-DOS 3.1 running INMOS Iserver V1.42h for file-server support via an INMOS B008 board link
Alsys AlsyCOMP_012, Version 5.3 (#901116A1.11066)	HP 9000s350 (under HP-UX 6.5)	Motorola MVME101 (68000) (bare machine, using ARTK Version 5.3)
*Validated by Registration Alsys AlsyCOMP_012, Version 5.3 (BASE #901116A1.11066)	HP 9000 Series 300, Models 340, 345, 360, 370 & 375 (under HP-UX 6.5 & 7.0)	Motorola MVME101 (68000), MVME121 (68010), MVME135-1 (68020/68881) & MVME147-1 (68030/68882) (bare machines, using ARTK 5.3)
*Validated by Registration Alsys AlsyCOMP_012, Version 5.3 (BASE #901116A1.11066)	HP 9000 Series 300 (all models) (under HP-UX 6.5 & 7.0)	Motorola M68332EVS Evaluation System Customers (CPU32) (bare machine, using ARTK 5.3)

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Alsys AlsyCOMP_012 Version 5.5.1 (BASE #901116A1.11066)	HP 9000 Series 400 (all models) (under HP-UX 8.0)	Motorola MVME 131, MVME133, MVME133XT, MVME135, & MVME147 (68020 & 68030 cpu.s) (bare machines, using VRTX32); Motorola MVME101, MVME121, MVME 131, MVME133, MVME133XT, MVME135, MVME147, & MVME167 (68000, 68010, 68020, 68030, & 68040 cpu.s) (bare machines, using ARTK Version 5.5.1)
*Validated by Registration Alsys AlsyCOMP_048 Version 5.5.1 (BASE #901116A1.11066)	Sun SPARCstation & SPARCserver computer families; SPARCcenter 2000 (under SunOS 4.1.2); Solbourne Series 5/100, /530, /600, /670, /800, 5E/900; & S4000 (under OS/MP 4.1A.1)	Motorola MVME101, MVME121, MVME131, MVME133, MVME133XT, MVME135, M68332EVS, MVME147, & MV ME167 (68000, 68010, 68020, 68030, & 68040 cpu.s) (bare machines, using ARTK Version 5.5.1)
*Validated by Registration Alsys AlsyCOMP_063 Version 5.5.1 (BASE #901116A1.11066)	HP 9000 Series 700 (all models) (under HP-UX 9.0)	Motorola MVME101, MVME121, M68332EVS, MVME131, MVME133, MVME133XT, MVME135, MVME147, & MVME167 (68000-, 68010-, 68020-, 68030-, & 68040-based single-board computers) (bare machines, using ARTK 5.5.1)
Alsys AlsyCOMP_036, Version 5.3 (#901116A1.11067)	Apollo DN4000 (under Domain/OS SR10.2)	Motorola MVME147-1 (68030/68882) (bare machine, using ARTK Version 5.3)
*Validated by Registration Alsys AlsyCOMP_036, Version 5.3 (BASE #901116A1.11067)	Apollo DN 3000, 3500, 4000 & 4500 (under Domain/OS SR10.2 & SR10.3)	Motorola MVME101 (68000), MVME121 (68010), MVME135-1 (68020/68881) & MVME147-1 (68030/68882) (bare machines, using ARTK 5.3)
*Validated by Registration Alsys AlsyCOMP_036 Version 5.5.1 (BASE #901116A1.11067)	HP 9000 Series 400 (all models) (under DomainOS SR 10.4)	Motorola MVME101, MVME121, MVME131, MVME133, MVME133XT, MVME135, M68332EVS, MVME147, & MVME167 (68000, 68010, 68020, 68030, & 68040 cpu.s) (bare machines, using ARTK Version 5.5.1)
Alsys AlsyCOMP_015, Version 5.3 (#901116A1.11068)	Sun 3/260 (under SunOS 3.2)	Motorola MVME121 (68010) (bare machine, using ARTK Version 5.3)
*Validated by Registration Alsys AlsyCOMP_015, Version 5.3 (BASE #901116A1.11068)	Sun 3/50, /60, /75, /80, /160, /260, /280, /470 & /480 (under SunOS 3.2, 3.5, 4.0 & 4.1)	Motorola MVME101 (68000), MVME121 (68010), MVME135-1 (68020/68881) & MVME147-1 (68030/68882) (bare machines, using ARTK 5.3)
*Validated by Registration Alsys AlsyCOMP_015 Version 5.5.1 (BASE #901116A1.11068)	Sun Microsystems Sun-3 computer family (under SunOS 4.1.1)	Motorola MVME 131, MVME133, MVME133XT, MVME135, & MVME147 (68020 & 68030 cpu.s) (bare machines, using VRTX32); Motorola MVME101, MVME121, MVME131, MVME133, MVME133XT, MVME135, M68332EVS, MVME147, & MVME167 (68000, 68010, 68020, 68030, & 68040 cpu.s) (bare machines, using ARTK Version 5.5.1)

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Alsys AlsyCOMP_017, Version 5.2 (#901118N1.11064)	MicroVAX II (under VMS V5.3)	INMOS T425 transputer on a B403 TRAM (bare) using the Host running INMOS Iserver 1.3 for file-server support via a CAPLIN QT0 board link
*Validated by Registration Alsys AlsyCOMP_017, V5.3 (BASE #901118N1.11064)	MicroVAX II (under VMS V5.3)	INMOS T425 transputer on a B403 TRAM (bare) using the Host running INMOS Iserver 1.3 for file-server support via a CAPLIN QT0 board link; INMOS T800 transputer on a B405 TRAM (bare) using the Host running INMOS Iserver 1.3 for file-server support via a CAPLIN QT0 board link
*Validated by Registration Alsys Alsycomp_017 Version 5.4.3 (BASE #901118N1.11064)	MicroVAX II (under VMS V5.3)	INMOS T425 transputer on a B403 TRAM (bare), using the Host running INMOS Iserver V1.42i for file-server support via a CAPLIN QT0 board link and INMOS T800 transputer on a B405 TRAM (bare), using the Host running INMOS Iserver V1.42i for file-server support via a CAPLIN QT0 board link
Alsys AlsyCOMP_018 Version 5.2 (#901120A1.11070)	MicroVAX 3100 (under VMS 5.3)	Same as Host
*Validated by Registration Alsys AlsyCOMP_018, Version 5.2 (BASE #901120A1.11070)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000 & VAX 9000 Series of computers (as supported) (under VMS 5.2 & 5.4)	Any Host
Alsys AlsyCOMP_006, Version 5.3 (#901125N1.11071)	IBM 9370 Model 90 (under VM/IS CMS release 5.1)	Same as Host
Alsys AlsyCOMP_023, Version 5.3 (#901125N1.11072)	IBM 370 3084Q (under MVS/XA release 3.2)	Same as Host
Alsys AlsyCOMP_011, Version 5.3 (#901127A1.11069)	VAX 6210 (under VMS 5.2)	Motorola MVME135-1 (68020/68881) (bare machine, using ARTK Version 5.3)
*Validated by Registration Alsys AlsyCOMP_011, Version 5.3 (BASE #901127A1.11069)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000 & VAX 9000 Series of computers (as supported) (under VMS 5.2, 5.3 & 5.4)	Motorola MVME101 (68000), MVME121 (68010), MVME135-1 (68020/68881) & MVME147-1 (68030/68882) (bare machines, using ARTK 5.3)
*Validated by Registration Alsys AlsyCOMP_011 Version 5.3.1 (BASE #901127A1.11069)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, & VAX 9000 series of computers (under VMS 5.2, 5.3, & 5.4, as supported)	Motorola MVME101 (68000), MVME121 (68010), MVME133XT & MVME135-1 (68020), & MVME147-1 (68030) (bare machines, using ARTK 5.3.1)
*Validated by Registration Alsys AlsyCOMP_028 Version 5.3 (BASE #901127A1.11069)	Compaq Deskpro 386/20 (under DOS 3.31 & 5.0)	Motorola MVME101, MVME121, MVME131, MVME133, MVME133XT, MVME135-1, MVME147-1, M68332EVS (68000, 68010, 68020, & 68030 cpu.s) (bare machine, using ARTK Version 5.3)
*Validated by Registration Alsys AlsyCOMP_011 Version 5.5.1 (BASE #901127A1.11069)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, & VAX 9000 computer series (under VMS 5.4)	Motorola MVME 131, MVME133, MVME133XT, MVME135, & MVME147 (68020 & 68030 cpu.s) (bare machines, using VRTX32); Motorola MVME101, MVME121, MVME131,MVME133,MVME133XT MVME135, M68332EVS, MVME147, & MVME167 (68000, 68010, 68020, 68030, & 68040 cpu.s) (bare machines, using ARTK Version 5.5.1)
Alsys AlsyCOMP_034, Version 5.1 (#901221W1.11103)	Multitech 1100 (under SCO Unix 3.2)	Same as Host
*Validated by Registration Alsys AlsyCOMP_034, Version 5.1 (BASE #901221W1.11103)	Everex AGI 3000D, Compaq Deskpro 386 & SAI Technologies Army Lightweight Computer Unit (LCU V2) (under Interactive Unix 3.2)	Each Host, self-targetted
*Validated by Registration Alsys AlsyCOMP_034, Version 5.1 (BASE #901221W1.11103)	Prime MBX (under Prime Unix V.4)	Same as Host
*Validated by Registration Alsys AlsyCOMP_034, Version 5.1 (BASE #901221W1.11103)	Any Computer System comprising: cpu: Intel 80386 or 80486; fpu: optional (under a Unix 3.2-based OS)	Each Host, self-targetted
*Validated by Registration Alsys AlsyCOMP_034 Version 5.1 (BASE #901221W1.11103)	Any Computer System that executes the Intel 80386 or 80486 instruction set (under SCO Open Desktop 1.1 & SCO Unix 3.2, SCO Open Desktop 2.0 & SCO Unix 3.2.4, Interactive Unix 3.2.2, and AT&T Unix System V Release 4.0)	Any Host
*Validated by Registration Alsys AlsyCOMP_034, Version 5.1.2 (BASE #901221W1.11103)	Zenith Data Systems Z-Station 433 DEh (under SCO Unix 3.2.4 running SecureWare CMW+ Version 2.2)	Same as Host
*Validated by Registration Alsys AlsyCOMP_034 Version 5.5 (BASE #901221W1.11103)	Any computer system that executes the Intel 80386 or i486 instruction set (under SCO Open Desktop 2.0 with SCO Unix version 3.2.4, Interactive Unix 3.2.2, or AT&T Unix System V Release 4.0)	Any Host (same OS as Host)
Alsys AlsyCOMP_043, Version 5.3 (#901221W1.11104)	Apple Macintosh IIcx (under Macintosh System Software 6.0.5)	Same as Host
Alsys AlsyCOMP_034 Version 5.1 (#910129W1.11113)	IBM PS/2 Model 80 (under LynxOS Version 2.0 + Threads Release 11)	Same as Host

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Alsys AlsyCOMP_034, Version 5.1 (BASE #910129W1.11113)	IBM PS/2 Models 70-xxx & 80-xxx (under LynxOS Version 2.0 Release 15)	Any Host
*Validated by Registration Alsys AlsyCOMP_070 Version 5.5.3 (BASE #910129W1.11113)	Any computer system that executes the Intel 80386 or i486 instruction set (under LynxOS, Version 2.1)	Same as Host
Alsys AlsyCOMP_056, Version 1.82 (#910131I1.11127)	Sun 3/60 (under SunOS, Version 4.0.3)	KWS EB68020 (under OS-9/68020, Version 2.3)
Alsys AlsyCOMP_055, Version 1.82 (#910201I1.11128)	VAX 8530 (under VMS, Version 5.3-1)	KWS EB68020 (under OS-9/68020, Version 2.3)
Alsys AlsyCOMP_029, Version 5.3 (#910323W1.11131)	CompuAdd 325 (under DOS 3.31)	Intel ISBC 386/116 (bare machine, using ARTK 5.3)
*Validated by Registration Alsys AlsyCOMP_029, Version 5.3.1 (BASE #910323W1.11131)	Any Computer System that executes the Intel 80386 or 80486 Instruction set (under MS-DOS version 5.0 & Phar Lap version 4.0)	Any 80486 single board computer (bare machine, using ARTK 5.3)
Alsys AlsyCOMP_030, Version 5.3 (#910323W1.11132)	MicroVAX II (under VMS 5.2)	Intel ISBC 386/31 (bare machine, using ARTK 5.3)
*Validated by Registration Alsys AlsyCOMP_030, Version 5.3.1 (BASE #910323W1.11132)	MicroVAX II (under VMS 5.2)	Any 80386 single board computer (bare machine, using ARTK 5.3)
Alsys AlsyCOMP_033, Version 5.3 (#910323W1.11133)	Sun 3/140 (under SunOS 4.1)	Intel iSBC 386/12 (bare machine, using ARTK 5.3)
*Validated by Registration Alsys AlsyCOMP_052, Version 5.3.1 (BASE #910323W1.11133)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.1)	Intel iSBC 386/31, ISBC 386/1xx, ISBC 486/1xx (bare machines, using ARTK 5.3)
Alsys AlsyCOMP_049, Version 1.83 (#910407I1.11144)	VAX 8530 (under VMS Version 5.3-1)	Integrated Device Technology IDT7RS301 System (R3000/R3010) (bare machine)
*Validated by Registration Alsys AlsyCOMP_049, Version 1.83-01 (BASE #910407I1.11144)	VAX 8530 (under VMS 5.3-1)	Lockheed Sanders STAR MVP (R3000/R3010) (bare machine)
*Validated by Registration Alsys AlsyCOMP_049, Version 1.84 (BASE #910407I1.11144)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, & VAX 9000 series of computers (under VMS 5.3 & 5.4)	Lockheed Sanders STAR MVP board (R3000/R3010) (bare machine)
Alsys AlsyCOMP_057, Version 1.83 (#910625I1.11183)	DECstation 3100 (under ULTRIX Version 4.0)	Same as Host
*Validated by Registration Alsys AlsyCOMP_057, Version 1.83-01 (BASE #910625I1.11183)	DEC DECstation & DECsystem computer families (under ULTRIX 4.0 & 4.2)	Any Host
Alsys AlsyCOMP_024, Version 5.3 (#910809W1.11195)	IBM RISC System 6000, model 520 (under AIX v3.1)	Same as Host
*Validated by Registration Alsys AlsyCOMP_024 V5.4 (BASE #910809W1.11195)	IBM RISC System 6000 (all models) (under AIX 3.2)	Any Host
Alsys AlsyCOMP_058, Version 5.3 (#910809W1.11196)	Unisys B39 (under BTOS II, v3.2.0)	Same as Host
Alsys AlsyCOMP_040, Version 5.3 (#910809W1.11197)	HP Vectra RS/25C (under DOS 3.30)	Unisys B39 (under BTOS II, v3.2.0)
Alsys AlsyCOMP_062, Version 5.35 (#911107W1.11227)	HP 9000 Series 700 Model 720 (under HP-UX, Version A.B8.05 (release 8.05))	Same as Host
*Validated by Registration Alsys AlsyCOMP_062 Version 5.35 (BASE #911107W1.11227)	HP 9000 Series 700, all models (under HP-UX, Version A.B8.05 (release 8.05)); HP 9000 Series 800, all models (under HP-UX, Version A.B8.00 (release 8.00))	HP 9000 Series 700, all models (under HP-UX, Version A.B8.05 (release 8.05))
*Validated by Registration Alsys AlsyCOMP_062 Version 5.5.1 (BASE #911107W1.11227)	HP 9000 Series 700, all models (under HP-UX, Version 9.01); HP 9000 Series 800, all models (under HP-UX, Version 9.0)	HP 9000 Series 700, all models (under HP-UX, Version 9.01)
Alsys AlsyCOMP_062, Version 5.35 (#911107W1.11228)	HP 9000 Series 800 Model 835 (under HP-UX, Version A.B8.00 (release 8.00))	Same as Host
*Validated by Registration Alsys AlsyCOMP_062 Version 5.35 (BASE #911107W1.11228)	HP 9000 Series 700, all models (under HP-UX, Version A.B8.05 (release 8.05)); HP 9000 Series 800, all models (under HP-UX, Version A.B8.00 (release 8.00))	HP 9000 Series 800, all models (under HP-UX, Version A.B8.00 (release 8.00))
*Validated by Registration Alsys AlsyCOMP_062 Version 5.35 (BASE #911107W1.11228)	HP 9000 Series 800 Models 807, 817, 847, & 867 (under HP-UX B-Level Security Operating System, Version A.08.08)	Any Host
*Validated by Registration Alsys AlsyCOMP_062 Version 5.5.1 (BASE #911107W1.11228)	HP 9000 Series 700, all models (under HP-UX, Version 9.01); HP 9000 Series 800, all models (under HP-UX, Version 9.0)	HP 9000 Series 800, all models (under HP-UX, Version 9.0)

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Alsys AlsyCOMP_072 Version 5.37 (#911119A1.11231)	Sun SPARCstation 2 (under SunOS 4.1.1)	Same as Host
*Validated by Registration Alsys AlsyCOMP_047, Version 5.37 (BASE #911119A1.11231)	Sun SPARCstation ELC, iPC & iPX; SPARCserver 330, 370, 390, 470, 490, 630MP, 670MP & 690MP (under SunOS 4.1.1)	Any Host
*Validated by Registration Alsys AlsyCOMP_047, Version 5.37 (BASE #911119A1.11231)	Solbourne Series 5/500, /530, /600, /670, /800 & 5E/900; and S4000 (under OS/MP 4.1)	Any Host
*Validated by Registration Alsys AlsyCOMP_047 Version 5.5.1 (BASE #911119A1.11231)	SPARCstation ELC, iPC, & iPX; SPARCserver 330, 370, 390, 490, 690MP, 670MP, & 690MP (under SunOS 4.1.1)	Any Host
*Validated by Registration Alsys AlsyCOMP_047 Version 5.5.1 (BASE #911119A1.11231)	Solbourne Series 5/500, /530, /600, /670, /800, & 5E/900; & S4000 (under OS/MP 4.1)	Any Host
*Validated by Registration Alsys AlsyCOMP_047 Version 5.5.1 (BASE #911119A1.11231)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer series (all models) (under Solaris 2.1)	Any Host
Alsys AlsyCOMP_061, Version 1.83 (#920429I1.11251)	DECstation 3100 (under ULTRIX Version 4.2)	Lockheed Sanders STAR MVP board (R3000/3010) (bare machine)
*Validated by Registration Alsys AlsyCOMP_061, Version 1.84 (BASE #920429I1.11251)	DEC DECstation & DECsystem computer families (under ULTRIX 4.2)	Lockheed Sanders STAR MVP board (R3000/R3010) (bare machine)
*Validated by Registration Alsys AlsyCOMP_061, Version 1.84-01 (BASE #920429I1.11251)	DEC DECstation & DECsystem computer families (under ULTRIX 4.2)	Lockheed Sanders STAR MVP board (R3000/R3010), integrated Device Technology IDT7RS385 board (R3081E) (bare machines)
Alsys AlsyCOMP_069, Version 1.83 (#920730I1.11262)	Control Data 4336 (under TC/IX 1.0.2)	Same as Host
*Validated by Registration Alsys AlsyCOMP_069, Version 1.83 (BASE #920730I1.11262)	Control Data 4000 series of computers (under TC/IX 1.0.2 & 1.1)	Any Host
*Validated by Registration Alsys AlsyCOMP_069, Version 1.83 (BASE #920730I1.11262)	Control Data 4000 series of computers (under TC/IX 1.2)	Any Host
Alsys AlsyCOMP_062 Version 5.35 (#921118N1.11298)	HP 9000 Series 800 Model 827 (under HP-UX Version 8.02)	Same as Host
Alsys AlysCOMP_073, Version 5.3 (#921126N1.11300)	IBM ES/9000 Model 610 (under AIX/ESA Version 2)	Same as Host
Alsys AlsyCOMP_019 Version 5.3.1 (#921210W1.11302)	CompuAdd 433 (under MS-DOS 5.0 running Phar Lap 4.0)	Intel iSBC 186/100 (bare machine)
*Validated by Registration Alsys AlsyCOMP_065, Version 5.3 (BASE #921210W1.11302)	Sun Microsystems Sun-4, SPARCserver, and SPARCstation computer families (under SunOS 4.1)	Any Intel 8086, 80186, or 80286 single-board computer (bare machine, running ARTK 5.3)
Alsys Alsys Ada Software Development Environment for HP 9000 Series 600, 700 & 800, Version 5.35 (#930115S1.11305)	HP 9000 Series 800 Model 807 (under HP-UX BLS Version A.08.08)	Same as Host
Alsys Alsys Ada Software Development Environment for HP 9000 Series 600, 700 & 800, Version 5.35 (#930115S1.11306)	HP 9000 Series 800 Model 817 (under HP-UX BLS Version A.08.08)	Same as Host
Alsys Alsys Ada Software Development Environment for HP 9000 Series 600, 700 & 800, Version 5.35 (#930115S1.11307)	HP 9000 Series 800 Model 847 (under HP-UX BLS Version A.08.08)	Same as Host
Alsys Alsys Ada Software Development Environment for HP 9000 Series 600, 700 & 800, Version 5.35 (#930115S1.11308)	HP 9000 Series 800 Model 867 (under HP-UX BLS Version A.08.08)	Same as Host
Alsys Alsys Ada Software Development Environment for HP 9000 Series 700/800, Version 5.35 (#930115S1.11309)	Zenith Data Systems Z-Station 433 DEh (under SCO Unix 3.2 running SecureWare CMW+ Version 2.2 w/MaxSix)	Same as Host
Alsys AlsyCOMP_068, Version 1.83 (#930125I1.11310)	Control Data 4680 (under EP/IX 1.4.3)	Same as Host
Alsys / German MoD NATO SWG on APSE Compiler for Sun3/SunOS, Version S3C1.82-02 (#911016I1.11233)	Sun-3/60 (under SunOS Version 4.0.3, with CAIS Version 5.5D)	Sun-3/60 (under SunOS Version 4.0.3)
Alsys / German MoD NATO SWG on APSE Compiler for VAX/VMS, Version VC1.82-02 (#911118I1.11236)	VAX 8350 (under VMS Version 5.4-1, with CAIS Version 5.5E)	VAX 8350 (under VMS Version 5.4-1)

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Alsys / German MoD NATO SWG on APSE Compiler for VAX/VMS to MC68020, Version VCM1.82-02 (#92030811.11248)	VAX 8350 (under VMS Version 5.4-1, with CAIS Version 5.5E)	Motorola MVME133XT (MC68020) (bare machine)
Alsys / German MoD NATO SWG on APSE Compiler for Sun3/SunOS to MC68020, Version S3CM1.82 (#92072811.11261)	Sun-3/60 (under SunOS Version 4.0.3, with CAIS Version 5.5E)	Motorola MVME133XT (MC68020) (bare machine)
ATLAS ELEKTRONIK GmbH ATLAS ELEKTRONIK Ada Compiler VME 1.82 (#910324I1.11136)	VAX 6000-410 (under VMS Version 5.2)	ATLAS ELEKTRONIK GmbH MPR 2300 (under MOS 2300, Version 2.1)
Concurrent Computer Corporation C3Ada, Version 0.5 (#900427I1.11008)	Concurrent Computer Corporation 8400 (MIPS R3000/3010) (under RTU Version 5.1)	Same as Host
*Validated by Registration Concurrent Computer Corporation C3Ada, Version 0.5 (BASE #900427I1.11008)	Concurrent Computer Corporation 8500 (MIPS R3000/R3010) (under RTU Version 5.1)	Same as Host
Concurrent Computer Corporation C3 Ada Version 1.1v (#901130W1.11107)	Concurrent Computer Corporation 6650 with Super Lightning Floating Point (under RTU Version 5.0C)	Same as Host
*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 1.1v (BASE #901130W1.11107)	Concurrent Computer Corporation Series 6000 with Super Lightning Floating Point, and Series 5000 with Lightning Floating Point (all models) (under RTU Version 5.0A, 5.0B & 5.0C)	Any Host
*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 1.1 (BASE #901130W1.11107)	Concurrent Computer Corporation Series 6000 (MC68030, with Super Lightning Floating Point) & Series 5000 (MC68020, with Lightning Floating Point) (under RTU Versions 5.0A, 5.0B, 5.0C & 6.0)	Same as Host
Concurrent Computer Corporation C3 Ada Version R03-00V (#901130W1.11108)	Concurrent Computer Corporation 3280MPS (under OS/32 Version R08-03.2)	Same as Host
*Validated by Registration Concurrent Computer Corporation C3 Ada, Version R03-00V (BASE #901130W1.11108)	Concurrent Computer Corporation Series 3200: 3200 MPS, 3203, 3205, 3210, 3220, 3230, 3250, 3230XP, 3250XP, 3230MPS, 3260MPS, Micro4, and Micro5 (under OS/32 Versions R08-03, R08-03.1 & R08-03.2)	Any Host
*Validated by Registration Concurrent Computer Corporation C3Ada Version R03-00 (BASE #901130W1.11108)	Concurrent Computer Corporation System Bus Processor family of computers (under Trusted OS/32 and MTM Version R08-03.3S, and OS/32 Version R09-01.1)	Any Host
*Validated by Registration Concurrent Computer Corporation C3Ada Version R03-00 (BASE #901130W1.11108)	Concurrent Computer Corporation System Bus Processor family of computers (under OS/32 R08-03.2)	Any Host
Concurrent Computer Corporation C3 Ada Version 1.0v (#901130W1.11109)	Concurrent Computer Corporation 8400 (MIPS R3000/3010) (under RTU Version 5.1)	Same as Host
*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 1.0v (BASE #901130W1.11109)	Concurrent Computer Corporation Series 8000 (all models) (under RTU Versions 5.1, 5.1A & 5.1B)	Any Host
*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 1.0 (BASE #901130W1.11109)	Concurrent Computer Corporation Series 8000 (MIPS R3000/3010) (under RTU Versions 5.1A, 5.1B & 6.0)	Same as Host
*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 2.0p (BASE #901130W1.11109)	Concurrent Computer Corporation Series 8000 (R3000/3010), all models (under RTU Versions 5.1A, 5.1B & 6.0)	Same as Host
*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 2.0b (BASE #901130W1.11109)	Concurrent Computer Corporation Series 8000 (MIPS R3000/3010) (under RTU Version 6.0)	Any Host
Concurrent Computer Corporation C3 Ada Version 1.1v (#901130W1.11110)	Concurrent Computer Corporation 6650 with MC68882 Floating Point (under RTU Version 5.0C)	Same as Host
*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 1.1v (BASE #901130W1.11110)	Concurrent Computer Corporation Series 6000 with an MC68882 fpu, and Series 5000 with an MC68881 fpu (all models) (under RTU Versions 5.0A, 5.0B & 5.0C)	Any Host

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 1.1 (BASE #901130W1.11110)	Concurrent Computer Corporation Series 6000 (MC68030/MC68882) & Series 5000 (MC68020/MC68881) (under RTU Versions 5.0A, 5.0B, 5.0C & 6.0)	Same as Host
*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 1.2 & 2.0b (BASE #901130W1.11110)	Concurrent Computer Corporation Series 7000 (MC68040) (under RTU Version 6.1)	Any Host
*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 2.0b (BASE #901130W1.11110)	Concurrent Computer Corporation Series 7000 (MC68040) (under RTU Version 6.1)	Any Host
CONVEX Computer Corporation CONVEX Ada, Version 2.0 (#900910W1.11027)	CONVEX C220 (under ConvexOS 8.1)	Same as Host
*Validated by Registration CONVEX Computer Corporation CONVEX Ada, Version 2.0 (BASE #900910W1.11027)	CONVEX C120, C201, C202, C210, C220, C230, C240, C210i, C220i & C230i (under ConvexOS, Versions 8.1 and 9.0)	Any Host
*Validated by Registration CONVEX Computer Corporation CONVEX Ada, Version 2.0 (BASE #900910W1.11027)	CONVEX C120, C201, C202, C210, C210i, C220, C220i, C230, C230i, C240, C3210, C3220, C3230, C3240, C3410, C3420, C3430, C3440, C3450, C3460, C3470, C3480, C3810, C3820, C3830, C3840, C3850, C3860, C3870, C3880 (under ConvexOS versions 8.1, 9.0, 9.1 & 10.0)	Each Host, self-targetted
*Validated by Registration CONVEX Computer Corporation CONVEX Ada, Version 2.1 (BASE #900910W1.11027)	CONVEX C120, and C2xx, C32xx, C34xx, & C38xx computer series (under ConvexOS, Versions 8.1, 9.0, 9.1, 10.0, & 10.1; and ConvexOS/Secure Versions 8.5 & 10.0)	Same as Host
*Validated by Registration Cray Research Inc. Cray Ada Compiler Release 3.1 (BASE #901112W1.11116)	CRAY X-MP/EA & X-MP (all models) (under UNICOS Releases 6.1 & 7.0)	Any Host
*Validated by Registration Cray Research Inc. Cray Ada Compiler Release 3.1 (BASE #901112W1.11117)	CRAY Y-MP & Y-MP EL (all models) (under UNICOS Releases 6.1 & 7.0)	Any Host
*Validated by Registration Cray Research Inc. Cray Ada Compiler Release 3.1 (BASE #911006W1.11223)	CRAY CRAY-2/4-128 (all models) (under UNICOS Releases 6.1 & 7.0)	Any Host
Cray Research, Inc. Cray Ada Compiler Release 2.0 (#901112W1.11116)	Cray X-MP/EA (under UNICOS Release 5.0)	Same as Host
*Validated by Registration Cray Research, Inc. Cray Ada Compiler Release 2.0 (BASE #901112W1.11116)	CRAY X-MP & X-MP/EA, all models (under UNICOS Releases 5.1, 6.0 & 6.1)	Same Host, self-targeted
*Validated by Registration Cray Research, Inc. Cray Ada Compiler 3.0 (BASE #901112W1.11116)	X-MP/EA (all models) (under UNICOS Release 6.1)	Same as Host
Cray Research, Inc. Cray Ada Compiler Release 2.0 (#901112W1.11117)	Cray Y-MP (under UNICOS Release 5.0)	Same as Host
*Validated by Registration Cray Research, Inc. Cray Ada Compiler Release 2.0 (BASE #901112W1.11117)	Cray Y-MP, all models (under UNICOS Releases 5.1, 6.0 & 6.1)	Each Host, self-targeted
*Validated by Registration Cray Research, Inc. Cray Ada Compiler Release 2.0 (BASE #901112W1.11117)	CRAY Y-MP EL (under UNICOS Releases 6.0 & 6.1)	Same as Host
*Validated by Registration Cray Research, Inc. Cray Ada Compiler 3.0 (BASE #901112W1.11117)	CRAY Y-MP & Y-MP EL (all models) (under UNICOS Releases 6.1)	Each Host, self-targeted
Cray Research, Inc. Cray Ada Compiler Release 2.0 (#911006W1.11223)	CRAY-2/4-128 (under UNICOS Release 6.1)	Same as Host
*Validated by Registration Cray Research, Inc. Cray Ada Compiler Release 2.0 (BASE #911006W1.11223)	CRAY-2 (all models) (under UNICOS Release 6.1)	Each Host, self-targeted
*Validated by Registration Cray Research, Inc. Cray Ada Compiler 3.0 (BASE #911006W1.11223)	CRAY-2/4-128 (all models) (under UNICOS Release 6.1)	Each Host, self-targeted

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
DDC International A/S DACS VAX/VMS Native Ada Compiler System, Version 4.6 (#901129S1.11050)	VAX 8530 (under VMS Version 5.3)	Same as Host
DDC International A/S DACS VAX/VMS to 68020 Bare Cross Compiler System, Version 4.6 (#901129S1.11051)	MicroVAX 3100 (under VMS Version 5.3)	Motorola MVME133 board (68020/68881) (bare machine)
DDC International A/S DACS VAX/VMS to 80386 PM Bare Ada Cross Compiler System, Version 4.6 (#901129S1.11074)	VAX 8530 (under VMS Version 5.3)	Intel iSBC 386/21 (bare machine)
DDC International A/S DACS 80386 UNIX V Ada Compiler System, Version 4.6 (#901129S1.11075)	ICL DRS300 (under DRS/NX, Version 3.2 (UNIX System V/386 release 3.2))	Same as Host
DDC International A/S DACS Sun3/SunOS Native Ada Compiler System, Version 4.6 (#901129S1.11076)	Sun-3/60 (under SunOS, Version 4.0_Export)	Same as Host
DDC International A/S DACS VAX/VMS to 80186 Bare Ada Cross Compiler System with Rate Monotonic Scheduling, Version 4.6 (#901129S1.11077)	VAX 8530 (under VMS Version 5.3)	Intel iSBC 186/03 (bare machine)
*Validated by Registration DDC International A/S DACS VAX/VMS to 80186 Bare Ada Cross Compiler System with Rate Monotonic Scheduling, Version 4.6 (BASE #901129S1.11077)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 186/03 (bare machine)
*Validated by Registration DDC International A/S DACS VAX/VMS to 8086 Bare Ada Cross Compiler System with Rate Monotonic Scheduling, Version 4.6 (BASE #901129S1.11077)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 86/35 (bare machine)
*Validated by Registration DDC International A/S DACS VAX/VMS to 80286 Bare Ada Cross Compiler System with Rate Monotonic Scheduling, Version 4.6 (BASE #901129S1.11077)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 286/12 (bare machine)
*Validated by Registration DDC International A/S DACS VAX/VMS to 80286 PM Bare Ada Cross Compiler System with Rate Monotonic Scheduling, Version 4.6 (BASE #901129S1.11077)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 286/12 In Protected Mode (bare machine)
DDC International A/S DACS VAX/VMS to 80386 Bare Ada Cross Compiler System with Rate Monotonic Scheduling, Version 4.6 (#901129S1.11078)	VAX 8530 (under VMS Version 5.3)	Intel iSBC 386/21 (bare machine)
DDC International A/S DACS VAX/VMS to 80186 Bare Ada Cross Compiler System, Version 4.6 (#901129S1.11079)	VAX 8530 (under VMS Version 5.3)	Intel iSBC 186/03 (bare machine)
*Validated by Registration DDC International A/S DACS VAX/VMS to 80186 Bare Ada Cross Compiler System, Version 4.6 (BASE #901129S1.11079)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 186/03 (bare machine)
*Validated by Registration DDC International A/S DACS VAX/VMS to 8086 Bare Ada Cross Compiler System, Version 4.6 (BASE #901129S1.11079)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 86/35 (bare machine)
*Validated by Registration DDC International A/S DACS VAX/VMS to 80286 Bare Ada Cross Compiler System, Version 4.6 (BASE #901129S1.11079)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 286/12 (bare machine)
*Validated by Registration DDC International A/S DACS VAX/VMS to 80286 PM Bare Ada Cross Compiler System, Version 4.6 (BASE #901129S1.11079)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 286/12 In Protected Mode (bare machine)
DDC International A/S DACS 80386 DMS/OS Ada Compiler System, Version 4.6 (#901129S1.11112)	IBM PS/2 Model 80-311 (under LynxOS 386/PS2, Version 2.0A)	Same as Host
DDC International A/S DACS VAX/VMS to 80860 Bare Ada Cross Compiler System, Version 4.6.1 (#910502S1.11158)	VAX 8530 (under VMS Version 5.3)	Tadpole Technology plc TP860M (bare machine)

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
DDC International A/S DACS Sun-3/SunOS to 68030 Bare Ada Cross Compiler System, Version 4.6.4, MRI IEEE 695 (BASIC_MODE) (#910502S1.11159)	Sun-3/50 (under SunOS Release 4.0_Export)	Motorola MVME143 board (68030/68882) (bare machine)
DDC International A/S DACS Sun-3/SunOS to 68030 Bare Ada Cross Compiler System, Version 4.6.4, MRI IEEE 695 (SECURE_MODE) (#910502S1.11160)	Sun-3/50 (under SunOS Release 4.0_Export)	Motorola MVME143 board (68030/68882) (bare machine)
*Validated by Registration		
DDC-I, Inc. DACS VAX/VMS to 80486 PM Bare Ada Cross Compiler System, Version 4.6 (BASE #901129S1.11074)	VAX 8530 (under VMS Version 5.3)	Intel iSBC 486/125 (bare machine)
DDC-I, Inc. DACS MIPS RISC/os to MIPS R3000 Bare Ada Cross Compiler System, Release 2.1-16 (#920805S1.11263)	MIPS M/120-5 (under RISC/os Version 4.50)	Lockheed Sanders STAR MVP R3000/R3010 Board (bare machine)
DDC-I, Inc. DACS DECstation/ULTRIX to MIPS R3000 Bare Ada Cross Compiler System, Release 2.1-16 (#920805S1.11264)	DECstation 3100 (under ULTRIX Version 4.0)	integrated Device Technology IDT7RS301 R3000/R3010 Board (bare machine)
DDC-I, Inc. DACS Sun SPARC/SunOS Native Ada Compiler System, Version 4.6.1 (#920805S1.11265)	SPARCstation 2 (under SunOS, Version 4.1.1)	Same as Host
DDC-Inter, Inc. InterACT Ada 1750A Compiler System, Release 3.5 (#910705S1.11191)	MicroVAX 3100 Cluster (under VMS 5.2)	InterACT MIL-STD-1750A Instruction Set Architecture Simulator Release 2.3 (bare machine simulation)
DDC-Inter, Inc. InterACT Ada MIPS Cross-Compiler System, Release 2.0 (#910705S1.11192)	MicroVAX 3100 Cluster (under VMS 5.2)	Lockheed Sanders STAR MVP R3000/R3010 Board (bare machine)
*Validated by Registration		
DDC-Inter, Inc. InterACT Ada MIPS Cross-Compiler System, Release 2.1 (BASE #910705S1.11192)	MicroVAX 3100 Cluster (under VMS 5.2)	Lockheed Sanders STAR MVP R3000/R3010 Board (bare machine)
*Validated by Registration		
DESC Ltd VME Ada Compiler VA3.25 (BASE #921008N1.11293)	ICL Series 39 Level 80 (under VME with VMEB Environment Option Version SV292)	Same as Host
*Validated by Registration		
DESC Ltd. VME Ada Compiler VA3.20 (BASE #921008N1.11293)	ICL Series 39 Level 80 (under VME with VMEB Environment Option Version SV292)	Same as Host
Digital Equipment Corporation VAX Ada, Version 2.2 (#901109S1.11053)	VAX 8800 (under VMS Version 5.4)	Same as Host
*Validated by Registration		
Digital Equipment Corporation VAX Ada Version 2.2 (BASE #901109S1.11053)	DEC VAX-11, VAXserver, VAXstation, VAXft, MicroVAX, VAX 4000, VAX 6000, VAX 8000 & VAX 9000 Series of computers (as supported); Ratheon Military VAX Computer Model 860; and Norden MilVAX Computer Model MilVAX II (under VMS Version 5.4)	Any Host
*Validated by Registration		
Digital Equipment Corporation VAX Ada Version 2.3 (BASE #901109S1.11053)	All VAX, MicroVAX, VAXstation, VAXserver series of computers (as supported) (under VMS Versions 5.4 & 5.5)	Any Host
Digital Equipment Corporation VAX Ada, Version 2.2 (#901109S1.11054)	VAX 8800 (under VMS Version 5.4)	MicroVAX II (under VAXELN Version 4.1, using VAXELN Ada Version 2.2)
*Validated by Registration		
Digital Equipment Corporation VAX Ada Version 2.2 (BASE #901109S1.11054)	DEC VAX-11, VAXserver, VAXstation, VAXft, MicroVAX, VAX 4000, VAX 6000, VAX 8000 & VAX 9000 Series of computers (as supported); Ratheon Military VAX Computer Model 860; and Norden MilVAX Computer Model MilVAX II (under VMS Version 5.4)	VAX 4000 Models 200 & 300; VAX 6000 Series 200, 300 & 400; VAX 8200, 8250, 8500, 8530, 8550, 8700, 8800 & 8810; VAX-11/730 /750; MicroVAX II, 2000, 3100, 3300, 3400, 3500, 3600, 3800, 3900; VAXstation 2000, 3100, 3150, 3200, 3500 & II/GPX; VAXserver 3100, 3300, 3400, 3500, 3600, 3800, 3900; VAXserver 4000-300; VAXserver 6000 Models 210, 220, 310, 320, 410 & 420; Ratheon Military VAX Computer Models 810 & 860; Norden MilVAX Computer Model MilVAX II, IVAX 620 & 630; VAX RTA; KA620-BA & KA800-M; rtVAX 300, 1000, 3200, 3300, 3305, 3400, 3500, 3600, 3800, 4000 Model 300, 8550, 8700, rtVAX 6000 Models 200, 300 & 400 Series and rtVAXstation 3100 Models 30 & 38 (under VAXELN Version 4.2, using VAXELN Ada Version 2.2)
*Validated by Registration		
Digital Equipment Corporation VAX Ada Version 2.2 (BASE #901109S1.11054)	VAX 6000 Model 200, 300 & 400 Series; VAX 8200, 8250, 8300, 8350, 8500, 8530, 8550, 8600, 8650, 8700, 8800, 8810, 8820, 8830, 8840, 8842, 8974 & 8978; VAX-11/730, /750, /780, /785; MicroVAX II, 2000, 3100, 3300, 3400, 3500, 3600, 3800 & 3900; VAXstation II, 2000, 3100 series, 3200, 3500, 3520, 3540 & 8000; VAXserver 3100, 3300, 3400, 3500, 3600, 3602, 3800, 3900; VAXserver 6000-310, 6000-410 & 6000-420; Ratheon Military VAX Computer Model 860 (under VMS Version 5.4)	VAX 6000 Model 200, 300 & 400 Series; VAX 8200, 8250, 8500, 8530, 8550, 8700, 8800 & 8810; VAX-11/730 & /750; MicroVAX II, 2000, 3100, 3300, 3400, 3500, 3600, 3800 & 3900; VAXstation 2000, 3100, 3150, 3200, 3500 & II/GPX; VAXserver 3100, 3300, 3400, 3500, 3600, 3602, 3800, 3900; VAXserver 6000 Models 210 220, 310, 320, 410 & 420; Ratheon Military VAX Computer Models 810 & 860; Norden Systems: Mil Vax II, IVAX 620 & 630; VAX RTA; KA620-BA, rtVAX 300, 1000, 3200, 3300, 3305, 3400, 3500, 3600, 3800, 8550, 8700, rtVAX 6000 Model 200, 300 & 400 Series & rtVAXstation 3100 Models 30 & 38 (under VAXELN Version 4.1 using VAXELN Ada Version 2.2)

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Digital Equipment Corporation VAX Ada Version 2.3 (BASE #901109S1.11054)	All VAX, MicroVAX, VAXstation, VAXserver series of computers (as supported) (under VMS Versions 5.4 & 5.5)	VAX 4000, 6000, & 9000 series of computers; MicroVAX II, 2000, & 3000 series of computers; VAXstation II, 2000, 3000, & 4000 series of computers; VAXserver 3000, 4000, & 6000 series of computers; IVAX 620 & 630; KA620-BA, KA800-M, & KAV30 VME SBC; rtVAX 300, 1000, 3000, 4000, 6000, & 9000 series of computers; and rtVAXstation 3100 series of computers; (under VAXELN Version 4.4, using VAXELN Ada Version 2.2)
Digital Equipment Corporation DEC Ada, Version 1.0 (#911025S1.11226)	DECstation 5000 Model 200 (under ULTRIX 4.2)	Same as Host
*Validated by Registration Digital Equipment Corporation DEC Ada, Version 1.0 (BASE #911025S1.11226)	DECstation 2100, 3100, 3100s, 5000 Models 120/125,120/125CX, 120/125PXG,120/125PXG TURBO, 200, 200CX, 200PX, 200PXG, 200PXG TURBO; DECsystem 3100, 5000 Model 200, 5100, 5400, 5500, 5810, 5820, 5830 & 5840 (under ULTRIX Versions 4.0, 4.1 & 4.2)	Any Host
*Validated by Registration Digital Equipment Corporation DEC Ada, Version 1.0 (BASE #911025S1.11226)	DEC DECstation 2100, 3100, & 5000, and DECsystem 5000, 5100, 5400, 5500, 5800, & 5900 series of computers (under ULTRIX Versions 4.0, 4.1, 4.2, & 4.2A)	Any Host
*Validated by Registration Digital Equipment Corporation DEC Ada, Version 1.1 (BASE #911025S1.11226)	DECstation 2100, 3100, & 5000; and DECsystem 3100, 5000, 5100, 5400, 5500, 5810, 5820, 5840, & 5900 series of computers (under Ultrix Version 4.2)	Any Host
Digital Equipment Corporation DEC Ada for OpenVMS AXP Systems, Version 3.0-5 (#930319S1.11315)	DEC 3000 Model 400 (under OpenVMS AXP Operating System, Version 1.0)	Same as Host
*Validated by Registration Digital Equipment Corporation DEC Ada for OpenVMS AXP Systems, Version 3.0-5 (BASE #930319S1.11315)	DEC 3000 Workstation and Server models, 4000, 7000, & 10000 series of AXP computers (under OpenVMS Version 1.0)	Any Host
Digital Equipment Corporation DEC Ada for OpenVMS VAX Systems, Version 3.0-7 (#930319S1.11316)	VAXstation 4000 Model 60 (under VMS Version 5.5)	Same as Host
*Validated by Registration Digital Equipment Corporation DEC Ada for OpenVMS VAX Systems, Version 3.0-7 (BASE #930319S1.11316)	VAXft, VAX 4000, 6000, 6000, 9000, & 10000; MicroVAX II, 2000, & 3000; VAXstation II, 2000, 3000, 4000; VAXserver 3000, 4000, & 6000 series of computers (as supported) (under VMS Version 5.4 & 5.5)	Any Host
Digital Equipment Corporation DEC Ada for OpenVMS VAX Systems, Version 3.0-7 (#930319S1.11317)	VAXstation 4000 Model 60 (under VMS Version 5.5)	VAXstation 3100 Model 48 (under VAXELN Version 4.4, using VAXELN Ada Version 2.2)
*Validated by Registration Digital Equipment Corporation DEC Ada for OpenVMS VAX Systems, Version 3.0-7 (BASE #930319S1.11317)	VAXft, VAX 4000, 6000, 8000, 9000, & 10000; MicroVAX II, 2000, & 3000; VAXstation II, 2000, 3000, 4000; VAXserver 3000, 4000, & 6000 series of computers (as supported) (under VMS Version 5.4 & 5.5)	VAX 4000, 6000, & 9000; MicroVAX II, 2000, 3000; KA620-BA, KAV30 VME SBC, KA800-M; rtVAX 300, 1000, 3000, 4000, 6000, 9000, & rtVAXstation 3100; IVAX 620 & 630; VAXstation II, 2000, 3000, & 4000; VAXserver 3000, 4000, & 6000 series of computers (as supported) (under VAXELN Version 4.4, using VAXELN Ada Version 2.2)
E-Systems/ECI Division Tolerant Ada Development System, Version 6.0 (#901003W1.11039)	Tolerant Eternity (under TX, 5.4.0)	Same as Host
EDS-Scicon Defence Limited XD Ada MC68040/ARTX Version 1.2 (#921112N1.11297)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2), & MicroVAX II machines) (under VMS 5.5)	Motorola MVME167 (68040) (bare machine)
Encore Computer Corporation Parallel Ada Development System, Revision 1.0 (#910130W1.11114)	Encore 91 Series Model 91-0340 (under UMAX 3.0)	Same as Host
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 1.0 (BASE #910130W1.11114)	Encore 91 Series, all models (under UMAX 3.0)	Any Host
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.0 (BASE #910130W1.11114)	Encore 91, 93, & 94 Series, all models (under UMAX 3.0)	Any Host
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.2.0 (BASE #910130W1.11114)	Encore Infinity 90 Series, all models (under UMAX 3.0.X)	Any Host
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.2.0 (BASE #910130W1.11114)	Encore 91 Series, all models (under UMAX 3.0.X)	Any Host

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.2.0 (BASE #910130W1.11114)	Encore 93 Series, all models (under UMAX 3.1.X)	Any Host
Encore Computer Corporation Parallel Ada Development System, Revision 1.0 (#910130W1.11115)	Encore 91 Series Model 91-0340 (under UMAX 3.0)	Encore 91 Series Model 91-0430 (under uMPX 1.0)
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 1.0 (BASE #910130W1.11115)	Encore 91 Series, all models (under UMAX 3.0)	Encore 91 Series, all models (under microMPX 1.0)
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.0 (BASE #910130W1.11115)	Encore 91 Series, all models (under UMAX 3.0)	Encore 91 Series, all models (under microMPX 1.0 & microARTE 1.0)
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.2.0 (BASE #910130W1.11115)	Encore 91 Series, all models (under UMAX 3.0.X)	Any Host machine (under MicroARTE 1.2.0)
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.2.0 (BASE #910130W1.11115)	Encore 93 Series, all models (under UMAX 3.1.X)	Any Host machine (under MicroARTE 1.2.0)
GSE Gesellschaft fur Software-Engineering mbH Meridian Ada, Version 4.1 (#910711W1.11180)	MIPS M/120 RISComputer (under UMIPS 4.51)	Same as Host
GSE Gesellschaft fur Software-Engineering mbH Meridian Ada, Version 4.1 (#910711W1.11182)	IBM RISC System 6000/520 (under AIX Version 3)	Same as Host
GSE Gesellschaft fur Software-Engineering mbH Meridian Ada, Version 4.1 (#910711W1.11184)	HP 9000 Series 400 Model 400T (under HP-UX 7.03)	Same as Host
GSE Gesellschaft fur Software-Engineering mbH Meridian Ada, Version 4.1 (#910711W1.11186)	Concurrent Computer Corporation M6000 Model 6450 (under RTU 5.0C)	Same as Host
GSE Gesellschaft fur Software-Engineering mbH Meridian Ada, Version 4.1 (#910711W1.11187)	Concurrent Computer Corporation M8000 Model 8500 (under RTU 5.1A)	Same as Host
GSE Gesellschaft fur Software-Engineering mbH Meridian Ada, Version 4.1 (#910711W1.11188)	Data General AViiON 400 Model 402 (under DG/UX 4.31)	Same as Host
GSE Gesellschaft fur Software-Engineering mbH Meridian Ada, Version 4.1 (#910711W1.11190)	HP 9000 Series 700 Model 720 (under HP-UX 8.01)	Same as Host
Harris Corporation, Computer Systems Division Harris Ada 5.1 (#900918W1.11028)	Harris NH-4400 (under CX/UX 5.1)	Same as Host
*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada 5.1 (BASE #900918W1.11028)	Harris NH-4400 (under CX/UX 5.1, CX/RT 5.1, OR CX/SX 5.1)	Any Host
*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada Version 5.1 (BASE #900918W1.11028)	Harris NH-4400 (under CX/UX 5.2, CX/RT 5.2 & CX/SX 5.2)	Same as Host
*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada 5.1.1 (BASE #900918W1.11028)	Harris NH-4400 & NH-4800 (under CX/UX 5.3, CX/RT 5.3 & CX/SX 5.3)	Any Host (using either Harris Ada Run-time System or ARMS Run-time System)
*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada 5.1.1 (BASE #900918W1.11028)	NH-4400 & NH-4800 (under CX/UX 6.1, CX/RT 6.1, & CX/SX 6.1)	Any Host (using either Harris Ada Run-time System or ARMS Run-time System)
*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada 5.1.1 (BASE #900918W1.11028)	NH-4400, NH-4800, & NH-5800 (under CX/UX 6.2, CX/RT 6.2, & CX/SX 6.2)	Any Host (using either Harris Ada Run-time System or ARMS Run-time System)
*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada version 5.2 (BASE #900918W1.11028)	Harris NH-4400, -4800, & -5800 (under CX/UX 6.2, CX/RT 6.2, & CX/SX 6.2)	Harris NH-4400, NH-4800, & NH-5800 (Harris Ada runtime System & ARMS Runtime System)
Harris Corporation, Computer Systems Division Harris Ada 5.1 (#900918W1.11029)	Harris NH-3800 (under CX/UX 5.1)	Same as Host

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada 5.1 (BASE #900918W1.11029)	Harris NH-1200, NH-3400 & NH-3800 (under CX/UX 5.1, CX/RT 5.1, OR CX/SX 5.1)	Any Host
*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada Version 5.1 (BASE #900918W1.11029)	NH-1200, NH-3400 & NH-3800 (under CX/UX 5.2, CX/RT 5.2 & CX/SX 5.2)	Same as Host
*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada 5.1.1 (BASE #900918W1.11029)	Harris NH-1200, NH-3400 & NH-3800 (under CX/UX 5.3, CX/RT 5.3 & CX/SX 5.3)	Any Host
*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada 5.1.1 (BASE #900918W1.11029)	Harris NH-1200, NH-3400, & NH-3800 (under CX/UX 6.1, CX/RT 8.1, & CX/SX 6.1)	Any Host
Hewlett-Packard Co./Apollo Systems Division Domain Ada V8.0m (#910411W1.11137)	DN4500 (under Domain/OS SR10.3)	Same as Host
Hewlett-Packard Co./Apollo Systems Division Domain Ada V6.0p (#910411W1.11138)	DN10000 (under Domain/OS SR10.3.p)	Same as Host
Hewlett-Packard Company HP 9000 Series 300 Ada Version 5.35 (#901022W1.11049)	HP 9000 Series 300 Model 370 (under HP-UX, Version A.07.00)	Same as Host
*Validated by Registration Hewlett-Packard Company HP 9000 Series 300 Ada Compiler, Version 5.35 (BASE #901022W1.11049)	HP 9000 Series 300 & 400, all models (under HP-UX, Version A.B7.03)	Any Host
*Validated by Registration Hewlett-Packard Company HP 9000 Series 300 Ada Compiler, Version 5.35t (BASE #901022W1.11049)	HP 9000 Series 300 & 400, all Models (under HP-UX, Versions A.B7.00 (release 7.0), A.B7.03 (release 7.3), A.B7.05 (release 7.5) & A.B8.00 (release 8.0), as supported)	Any Host from the same Series, under the same OS version
IBM Canada, Ltd. AIX Ada/6000 Release 2, Preliminary Version (#901127W1.11085)	RISC System/6000 model 7013-530 (under AIX 3.1)	Same as Host
*Validated by Registration IBM Canada, Ltd. AIX Ada/6000 Release 2.0 (BASE #901127W1.11085)	RISC System/6000 models 7013-320, -520, -530, -540, -550, -730 & -930 (under AIX 3.1)	Any Host
*Validated by Registration IBM Canada, Ltd. AIX Ada/6000 Release 2.2 (BASE #901127W1.11085)	RISC System/6000 models 7013-320, -520, -530, -540, -550, -730, & -930 (under AIX 3.1 & 3.2)	Any Host, running same AIX version as Host
IBM Canada, Ltd. AIX Ada/6000 Internal Development Version (#920121W1.11234)	RISC System/6000 model 7012-320 (under AIX 3.2)	Same as Host
*Validated by Registration IBM Canada, Ltd. AIX Ada/6000 Release 3.0 (BASE #920121W1.11234)	RISC System/6000, all models (under AIX 3.2)	Any Host
IBM Canada, Ltd. XL Ada/6000 Internal Development Version (#921119W1.11299)	RISC System/6000, model 7013-520 (under AIX 3.2)	Same as Host
Intel Corporation iPSC/860 Ada Release 8.1.0(E) Unix System V/860 Release 4 Version 3, 312425-0001 (#920513W1.11255)	Intel i860 Station (under Unix System V/860, Version 4)	Intel iPSC/860 (under Ada-NX, Release 3.3.1)
*Validated by Registration Intermetrics Intermetrics MVS Ada Compiler, Version 8.1 (BASE #910622W1.11170)	Amdahl 5890/180E (under MVS/XA Release 2.2)	Same as Host
Intermetrics, Inc. UTS Ada Compiler, Version 302.03 (#910425W1.11141)	IBM 3083 (under UTS 580 Release 1.2.3)	Same as Host
Intermetrics, Inc. Intermetrics MVS Ada Compiler, Version 7.0 (#910622W1.11170)	Amdahl 5890/180E (under MVS/XA Release 2.2)	Same as Host
International Business Machines Corporation IBM Ada/370, Version 1.1.0 (#901128W1.11091)	IBM 3083 (under VM/SP HPO Release 5.0)	Same as Host
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.1.0 (BASE #901128W1.11091)	IBM 3090 (under VM/ESA Release 1.0 ESA Feature)	Same as Host
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.1.0 (BASE #901128W1.11091)	IBM 3084 (under VM/ESA Release 1.0 370 Feature)	Same as Host

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.1.0 (BASE #901128W1.11091)	IBM 3090 (under VM/XA Release 2.1)	Same as Host
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.1.0 (BASE #901128W1.11091)	IBM 3090 (under VM/SP Release 6.0 HPO 60)	Same as Host
International Business Machines Corporation IBM Ada/370, Version 1.1.0 (#901128W1.11092)	IBM 4381 (under MVS/XA Release 3.8)	Same as Host
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.1.0 (BASE #901128W1.11092)	IBM 3090 (under MVS/ESA Release 4.1)	Same as Host
International Business Machines Corporation IBM Ada/370, Version 1.2.0 (optimized) (#910612W1.11166)	IBM 3083 (under VM/SP HPO Release 5.0)	Same as Host
International Business Machines Corporation IBM Ada/370, Version 1.2.0 (optimized) (#910612W1.11167)	IBM 4381 (under MVS/ESA Release 3.1)	Same as Host
International Business Machines Corporation IBM Ada/370, Version 1.2.0 (unoptimized) (#910612W1.11168)	IBM 3083 (under VM/SP HPO Release 5.0)	Same as Host
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 (BASE #910612W1.11168)	IBM 3090 (under VM/SP HPO 6.0)	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (under VM/SP HPO 6.0)
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 (BASE #910612W1.11168)	IBM 3090 (under VM/XA 2.1)	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (under VM/XA 2.1)
*Validated by Registration International Business Machines Corporation	IBM 3084 (under VM/ESA 1.1.0 (370 Feature))	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (under VM/ESA 1.1.0 (370 Feature)))
IBM Ada/370, Version 1.2.0 (BASE #910612W1.11168)		
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 (BASE #910612W1.11168)	IBM 3090 (under VM/ESA 1.1.0 (ESA Feature))	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (under VM/ESA 1.1.0 (ESA Feature))
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 (BASE #910612W1.11168)	IBM 3090 (under VM/ESA 1.1.1)	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (under VM/ESA 1.1.1)
*Validated by Registration International Business Machines Corporation IBM Ada/370, VM/CMS Ada Compiler, Version 1.4.0 (BASE #910612W1.11168)	IBM 3084 (under VM/ESA 1.1.0(370 Feature)); IBM 3090 (under VM/ESA 1.1.0(ESA Feature), VM/ESA 1.1.1, VM/XA 2.1, & VM/SP HPO 5.0 & 6.0)	IBM 937x, 43xx, 308x 8090, & ES/9000 processors (under same OS as Host)
International Business Machines Corporation IBM Ada/370, Version 1.2.0 (unoptimized) (#910612W1.11169)	IBM 4381 (under MVS/ESA Release 3.1)	Same as Host
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 & 1.3.0 (BASE #910612W1.11169)	IBM 3090 (under MVS/SP XA 2.2)	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (under MVS/SP XA 2.2)
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 (BASE #910612W1.11169)	IBM 3090 (under MVS/ESA Release 4.1.0)	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (MVS/ESA Release 4.1.0)
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 (BASE #910612W1.11169)	IBM 3090 (under MVS/ESA Release 4.2.0)	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (MVS/ESA Release 4.2.0)
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.3.0 (BASE #910612W1.11169)	IBM 3090 (under MVS/ESA 4.1.0 & 4.2.0)	IBM 937x, 43xx, 308x, 3090, & ES/9000 computers (under same OS as Host)

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.3.0 (BASE #910612W1.11169)	IBM 4381 (under MVS/ESA 3.1.0)	IBM 937x, 43xx, 308x, 3090, & ES/9000 computers (under same OS as Host)
*Validated by Registration International Business Machines Corporation IBM Ada/370 MVS Compiler, Version 1.4.0 (BASE #910612W1.11169)	IBM 3090 (under MVS/ESA 3.1.0, 4.1.0, & 4.2.0, & MVS/SP XA 2.2)	IBM 937x, 43xx, 308x 8090, & ES/9000 processors (under same OS as Host)
International Computers Limited VME Ada Compiler VA3,00 (#911003N1.11222)	ICL Series 39 Level 80 (under VME with VMEB Environment Option Version SV291)	Same as Host
International Computers Limited VME Ada Compiler VA3.10 (#921008N1.11293)	ICL Series 39 Level 80 (under VME with VMEB Environment Option Version SV292)	Same as Host
Irvine Compiler Corporation ICC Ada v7.0.0 (#910510W1.11145)	HP 9000 Model 720 (under HP-UX Release 8.01)	Same as Host
*Validated by Registration Irvine Compiler Corporation ICC Ada for HP 9000 Series 700/800, Version 7.4 (BASE #910510W1.11145)	HP 9000 Series 700 & 800, all Models (under HP-UX Version A.B8.05 (release 8.05))	Any Host
*Validated by Registration Irvine Compiler Corporation ICC Ada for HP 9000 Series 700/800 7.4 (BASE #910510W1.11145)	HP 9000 Series 700 & 800, all models (under HP-UX Versions 8.0 & 9.0, all releases; and HP-UX BLS Version 8.0, all releases)	Same as Host
Irvine Compiler Corporation ICC Ada v7.0.0 (#910510W1.11146)	Sun 3/50 (under SunOS V4.0)	Same as Host
*Validated by Registration Irvine Compiler Corporation ICC Ada for Sun3, Version 7.4 (BASE #910510W1.11146)	Sun Microsystems Sun-3 computer family (under SunOS 4.0 & 4.1)	Any Host
Irvine Compiler Corporation ICC Ada v7.0.0 (#910510W1.11147)	HP 9000 Model 400 (under HP-UX Release 7.03)	Same as Host
*Validated by Registration Irvine Compiler Corporation ICC Ada for HP 9000 Series 300/400, Version 7.4 (BASE #910510W1.11147)	HP 9000 Series 300 & 400, all Models (under HP-UX Version A.B8.05 (release 8.05))	Any Host
Irvine Compiler Corporation ICC Ada v7.0.0 (#910510W1.11148)	VAXstation 3100 Model M38 (under VMS 5.3-1)	Intel i80960MC (bare machine)
*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MC, Version 7.4 (BASE #910510W1.11148)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, VAX 9000, & VAX 10000 series of computers (under VMS 5.4)	Intel i960MC with or without ICE960 on an Intel EXV30960MC board; any single-board computer that uses the i960 chip; Intel i960 simulator (executing on the Host) (bare machine)
*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MC 7.4 (BASE #910510W1.11148)	HP 9000 Series 300 & 400, all models (under HP-UX Version 8.0, all releases)	Intel i960MC, with/without ICE 960, on an EXV80960MC board; any single-board computer using the i960 chip; and Intel i060 simulator, executing on the Host (bare machines)
*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MC 7.4 (BASE #910510W1.11148)	HP 9000 Series 700, all models (under HP-UX Version 8.0, all releases)	Intel i960MC, with/without ICE 960, on an EXV80960MC board; any single-board computer using the i960 chip; and Intel i060 simulator, executing on the Host (bare machines)
*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MC 7.4 (BASE #910510W1.11148)	Sun Microsystems Sun-3 computers, all models (under SunOS version 4.1.2 & Solaris version 1.0.1, all releases)	Intel i960MC, with/without ICE 960, on an EXV80960MC board; any single-board computer using the i960 chip; and Intel i060 simulator, executing on the Host (bare machines)
*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MC 7.4 (BASE #910510W1.11148)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computers, all models (under SunOS version 4.1.2 & Solaris version 1.0.1, all releases)	Intel i960MC, with/without ICE 960, on an EXV80960MC board; any single-board computer using the i960 chip; and Intel i060 simulator, executing on the Host (bare machines)
Irvine Compiler Corporation ICC Ada v7.4.0 (#92052011.11260)	VAXstation 3100 Model M38 (under VMS Version 5.3-1)	Intel i960MX in Hughes DMV running in tagged mode (bare machine, using CHKSYS kernel version 104)
*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MX and i960MM, Version 7.4 (BASE #92052011.11260)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, VAX 9000, & VAX 10000 Series of computers (under VMS 5.4)	Intel i960MM & i960MX on a TRONIX Pt960MX-JXV JIAWG Execution Vehicle board; any single-board computer that uses i960MM/MX superscalar the chip; Intel i960 simulator (executing on the Host) (bare machine)
*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MM and i960MX Version 7.4 (BASE #92052011.11260)	HP 9000 Series 300 & 400, all models (under HP-UX Version 8.0, all releases)	Intel i960MM & i960MX, with/ without ICE 960, on a TRONIX Pt960MX-JXV JIAWG Execution Vehicle board; any single-board computer using the i960MM/MX superscalar chip; and Intel i060 simulator, executing on the Host (bare machines)
*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MM and i960MX Version 7.4 (BASE #92052011.11260)	HP 9000 Series 700, all models (under HP-UX Version 8.0, all releases)	Intel i960MM & i960MX, with/ without ICE 960, on a TRONIX Pt960MX-JXV JIAWG Execution Vehicle board; any single-board computer using the i960MM/MX superscalar chip; and Intel i060 simulator, executing on the Host (bare machines)

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MM and i960MX Version 7.4 (BASE #920520l1.11260)	Sun Microsystems Sun-3 computers, all models (under SunOS version 4.1.2 & Solaris version 1.0.1, all releases)	Intel i960MM & i960MX, with/without ICE 960, on a TRONIX PI960MX-JXV JIAWG Execution Vehicle board; any single-board computer using the i960MM/MX superscalar chip; and Intel i060 simulator, executing on the Host (bare machines)
*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MM and i960MX Version 7.4 (BASE #920520l1.11260)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computers, all models (under SunOS version 4.1.2 & Solaris version 1.0.1, all releases)	Intel i960MM & i960MX, with/without ICE 960, on a TRONIX PI960MX-JXV JIAWG Execution Vehicle board; any single-board computer using the i960MM/MX superscalar chip; and Intel i060 simulator, executing on the Host (bare machines)
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11031)	Sun-3/260 (under SunOS, Version 4.1)	Same as Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11032)	Sun-4/110 (under SunOS, Version 4.1)	Same as Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11032)	Sun Microsystems Sun-4, SPARCserver & SPARCstation computer families (under SunOS Versions 4.1 & 4.1.1)	Any Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11033)	DECstation 3100 (under Ultrix, Version 3.0)	Same as Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11033)	DECstation 2100, 3100 & 5000 (under Ultrix 3.0)	Any Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11034)	IBM PS/2 Model 60 (with Floating-Point Co-Processor) (under IBM PC-DOS 3.30)	Same as Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11034)	Any Computer System comprising: cpu: any that executes the Intel 80286, 80386, or 80486 instruction set, fpu: Intel 80287, 80387, or equivalent, as appropriate, memory: 640 KByte RAM minimum, disk: 20 MByte hard drive, OS: IBM PC-DOS 3.30	Any Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.1 (BASE #900909W1.11034)	Any Computer System Comprising: Cpu: any that executes the Intel 80286, 80386, or 80486 instruction set; Fpu: Intel 80287, 80387, or equivalent, as appropriate; Memory: 640 or greater KByte RAM; Disk: 20 MByte hard drive (under IBM PC-DOS 3.30)	Any Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.4 (BASE #900909W1.11034)	Any Computer System Comprising: cpu: any that executes the Intel 80286, 80386, or 80486 instruction set; fpu: Intel 80287, 80387, or equivalent, as appropriate; memory: 640 KByte RAM; disk: 20 MByte hard drive (under IBM PC-DOS 3.30)	Any Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11035)	IBM PS/2 Model 30 (with Floating-Point Co-Processor) (under IBM PC-DOS 3.30)	Same as Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11035)	Any Computer System comprising: cpu: any that executes the Intel 8086 instruction set, fpu: Intel 8087 or equivalent, as appropriate, memory: 640 KByte RAM minimum, disk: 20 MByte hard drive, OS: IBM PC-DOS 3.30	Any Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.1 (BASE #900909W1.11035)	Any Computer System Comprising: Cpu: any that executes the Intel 8086 instruction set; Fpu: Intel 8087 or equivalent, as appropriate; Memory: 640 or greater KByte RAM; Disk: 20 MByte hard drive (under IBM PC-DOS 3.30)	Any Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.4 (BASE #900909W1.11035)	Any Computer System Comprising: cpu: any that executes the Intel 8086 Instruction set; fpu: Intel 8087 or equivalent, as appropriate; memory: 640 KByte RAM; disk: 20 MByte hard drive (under IBM PC-DOS 3.30)	Any Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11036)	ITT XTRA/286 (with Floating-Point Co-Processor) (under MS-DOS 3.20/OS286)	Same as Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11036)	Any Computer System comprising: cpu: any that executes the Intel 80286, 80386, or 80486 instruction set, fpu: Intel 80287, 80387, or equivalent, as appropriate, memory: 1.5 MByte RAM minimum, disk: 20 MByte hard drive, OS: MS-DOS 3.20/OS286	Any Host

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.1 (BASE #900909W1.11036)	Any Computer System Comprising: Cpu: any that executes the Intel 80286, 80386, or 80486 instruction set; Fpu: Intel 80287, 80387, or equivalent, as appropriate; Memory: 1.5 or greater MByte RAM; Disk: 20 MByte hard drive (under MS-DOS 3.30/OS286)	Any Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.4 (BASE #900909W1.11036)	Any Computer System Comprising: cpu: any that executes the Intel 80286, 80386, or 80486 instruction set; fpu: Intel 80287, 80387, or equivalent, as appropriate; memory: 1.5 MByte RAM; disk: 20 MByte hard drive (under MS-DOS 3.20/OS286)	Any Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11037)	80 Data 386/25 (under 386/ix 1.0.6)	Same as Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11037)	Any Computer System comprising: cpu: any that executes the Intel 80386 or 80486 instruction set, fpu: optional Intel 80387 or equivalent, for 80386 cpu, memory: 2 MByte RAM minimum, disk: 40 MByte hard drive, OS: SCO Unix 3.2 or Interactive 386/ix 1.0.6	Any Host machine running the same OS
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11037)	Sequent Symmetry 2000/40, /200, /400 & /700 (under DYNIX/ptx V1.2.0)	Any Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.1 (BASE #900909W1.11037)	Any Computer System Comprising: Cpu: any that executes the Intel 80386 or 80486 instruction set; Fpu: Intel 80387 or equivalent, for 80386 cpu; Memory: 2 or greater MByte RAM; Disk: 40 MByte hard drive (under SCO Unix 3.2 or INTERACTIVE UNIX System V/386 Release 3.2)	Any Host with the same OS
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11038)	Apple Macintosh II (under System 6.0.3)	Same as Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11038)	Apple Macintosh SE 30 (under System 6.0.3)	Same as Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#901108W1.11060)	Apple Macintosh II (under A/UX 2.0)	Same as Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#901108W1.11061)	Stardent Titan P3 (under Stardent/Unix 3.0)	Same as Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#901108W1.11062)	MicroVAX 3100 (under Ultrix 3.1)	Same as Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#901108W1.11063)	MicroVAX II (under VMS 5.2)	Same as Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1.1 (#911002W1.11218)	IBM PS/2 Model 80 (with Floating Point Co-Processor) (under IBM PC-DOS 3.30/OS386)	Same as Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.4 (BASE #911002W1.11218)	Any Computer System Comprising: cpu: any that executes the Intel 80386 or 80486 instruction set; fpu: Intel 80387 or equivalent, as appropriate; memory: 1.5 MByte RAM; disk: 20 MByte hard drive (under IBM PC-DOS 3.30/OS386)	Any Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#911002W1.11219)	NeXTstation (under System Release 2.0)	Same as Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#911002W1.11220)	SGI PowerSeries 4D/310S (under IRIX Sys V 3.3.2)	Mercury MC860 VM (under MC/OS, Version 2.0)
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #911002W1.11220)	SGI PowerSeries 4D/310S (under IRIX Sys V 3.3.2)	Mercury MC860VB & MC860VM (under MC/OS, Version 2.0)
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #911002W1.11220)	SGI PowerSeries 4D/310S (under IRIX Sys V 3.3.2)	Mercury MC860VS (under MC/OS, Version 2.VS)
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#911002W1.11221)	Sun-4/110 (under SunOS, Version 4.1)	Mercury MC860 VM (under MC/OS, Version 2.0)
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #911002W1.11221)	Sun Microsystems Sun-4/110, /150, /260 & /280; SPARCserver 330, 370, 390, 470 & 490; and SPARCstation 2, IPC & IPX (under SunOS Versions 4.1 & 4.1.1) and SPARCengine 1E (under SunOS Version 4.1e)	Mercury MC860VB & MC860VM (under MC/OS, Version 2.0) and Mercury MC860VS (under MC/OS, Version 2.VS)
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#911216W1.11232)	Sequoia Series 400 (under Topix, Version 6.5)	Same as Host

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (#920915W1.11266)	Intergraph Interpro 2400 (under CLIX System 5, Release 3.1)	Same as Host
*Validated by Registration		
Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (BASE #920915W1.11266)	InterGraph InterPro Series C300- & C400-based models (under CLIX, System 5 Release 3.1)	Any Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (#920915W1.11267)	Essence 836 (under DOS 5.0, running Microsoft Windows 3.0)	Same as Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (#920915W1.11268)	BBN TC2000 (under nX 3.0.1)	Same as Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (#920915W1.11269)	BBN TC2000 (under nX 3.0.1)	BBN TC2000 (under pSOS+/88k)
Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (#921202W1.11301)	HP 9000/827 (under HP-UX 8.02)	Same as Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (#930401W1.11313)	Motorola VME 167-68040 (under OS/9 68K, v2.4)	Same as Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (#930401W1.11314)	Essence 486 (under MS-DOS 5.0)	ADSP-21020 (bare machine)
MIPS Computer Systems MIPS ASAPP 3.0 (#900619W1.11010)	MIPS M/2000 (under RISC/os 4.50)	R3200-6 CPU board (bare machine)
MIPS Computer Systems MIPS Ada 3.0 (#900619W1.11011)	MIPS M/2000 (under RISC/os 4.50)	Same as Host
Multiprocessor Toolsmiths Inc. CASEWorks/RT Ada for the Sun SPARCStation, 1.1 (#930722W1.11318)	Sun SPARCstation 10 (under SunOS 4.1.3)	Same as Host
Multiprocessor Toolsmiths Inc. CASEWorks/RT Ada MC680x0, Version 1.1 (#930722W1.11319)	Sun SPARCstation 10 (under SunOS 4.1.3)	Motorola MVME147 (bare machine)
Multiprocessor Toolsmiths Inc. CASEWorks/RT Ada i860, Version 1.1 (#930722W1.11320)	Sun SPARCstation 2 (under SunOS 4.1.1)	CSPI Supercard II (Intel 80860) with VSB daughterboard (bare machine)
NEC Corporation NEC Ada Compiler System for EWS-UX/V (Release 4.0), Version Release 2.1(4.6) (#910918S1.11216)	NEC EWS4800/220 (under EWS-UX/V (Release 4.0) R2.1)	Same as Host
*Validated by Registration		
NEC Corporation NEC Ada Compiler System for EWS-UX/V to V70/RX-UX832, Version 1.0 (#910918S1.11217)	NEC EWS4800/60 (under EWS-UX/V R8.1)	NEC MV4000 (under RX-UX832 V1.6)
*Validated by Registration		
NEC Corporation NEC Ada Compiler System for EWS-UX/V (Rel 4.0) to V70/RX-UX832, Version 1.0 (BASE #910918S1.11217)	All RISC (MIPS R3000- & R4000-based) models of the EWS4800 series (under EWS-UX/V (4.0) R2.1)	NEC MV4000 (under RX-UX832 V1.6)
*Validated by Registration		
NEC Corporation NEC Ada Compiler System for EWS-UX/V (Rel 4.0) to V70/RX-UX832 version R4.1 (V4.6.4) (BASE #910918S1.11217)	EWS4800 Superstation RISC Series (under EWS-UX/V(R4.0) R6.2)	NEC MV4000 (under RX-UX832 V1.63)
North China Institute of Computing Technology C_Ada, Version 1.0 (#910902N1.11198)	MicroVAX II (under ULTRIX 3.0)	Same as Host
Proprietary Software Systems, Inc. PSS VAX/ZR34325 Compiler Version XB-01.000 (#920423I1.11250)	VAX 8350 (under VMS Version 5.4)	PSS Zoran ZR34325 Digital Signal Processor AdaRAID Version XK-01.000 (bare machine simulation, executing on the Host)
R.R. Software, Inc. Janus/Ada 2.2.0 Phar Lap/DOS (#901120W1.11088)	IBM PS/2 Model 80 (under Phar Lap/DOS 3.3)	IBM PS/2 Model 80 (under MS DOS 3.3)
*Validated by Registration		
R.R. Software, Inc. Janus/Ada 2.2.0 Phar Lap/DOS (BASE #901120W1.11088)	Any Computer System Comprising: cpu: Intel 80386, fpu: optional, memory: 4 MByte RAM, disk: 40 MByte hard drive (under Phar Lap/DOS 3.3)	Any Computer System Comprising: cpu: Intel 80386, fpu: optional, memory: 4 MByte RAM, disk: 40 MByte hard drive (under MS DOS 3.3)
*Validated by Registration		
R.R. Software, Inc. Janus/Ada 2.2.1 DOS (BASE #901120W1.11088)	Any Computer System Comprising: cpu: any that executes Intel 8086/8088 instructions; fpu: optional; memory: 640 KByte RAM; disk: 20 MByte hard drive (under MS DOS 3.3)	Same as Host
*Validated by Registration		
R.R. Software, Inc. Janus/Ada 2.2.2 DOS (BASE #901120W1.11088)	Any Computer System Comprising: cpu: any that executes the Intel 8086/8088 instruction set; fpu: optional; memory: 640 KByte RAM; disk: 20 MByte hard drive (under MS-DOS 3.3)	Any Host

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration R.R. Software, Inc. Janus/Ada 2.2.2 386 to DOS (BASE #901120W1.11088)	Any Computer System Comprising: cpu: any that executes the Intel 80386 instruction set; fpu: optional; memory: 2 MByte RAM; disk: 40 MByte hard drive (under Phar Lap / MS-DOS 3.3)	Any Host (under MS-DOS 3.3)
R.R. Software, Inc. Janus/Ada 2.2.0 Unix (#901129W1.11089)	Northgate 386/25 (under SCO Unix 3.2)	Same as Host
*Validated by Registration R.R. Software, Inc. Janus/Ada 2.2.0 UNIX (BASE #901129W1.11089)	Any Computer System Comprising: cpu: Intel 80386, fpu: optional, memory: 4 MByte RAM, disk 60 MByte hard drive (under SCO Unix 3.2)	Same as Host
*Validated by Registration R.R. Software, Inc. Janus/Ada 2.2.2 UNIX (BASE #901129W1.11089)	Any Computer System Comprising: cpu: any that executes the Intel 80386 instruction set; fpu: optional; memory: 4 MByte RAM; disk: 40 MByte hard drive (under SCO Unix 3.2)	Any Host
Rational M68020/OS-2000 Cross-Development Facility, Version 7 (#901116W1.11081)	R1000 Series 300 (under Rational Environment Version D_12_24_0)	Phillips PG2100 (OS-2000 Release 2.0)
Rational M68020/Unix Cross-Development Facility, Version 7 (#901116W1.11082)	R1000 Series 300 (under Rational Environment Version D_12_24_0)	HP 9000 Model 370MH (under HP-UX Version 7.0)
Rational M68020/Bare Cross-Development Facility, Version 7 (#901116W1.11083)	R1000 Series 300 (under Rational Environment Version D_12_24_0)	Motorola MVME135 (68020) (bare machine)
Rational Rational Environment, D_12_24_0 (#901116W1.11084)	R1000 Series 300 (under Rational Environment Version D_12_24_0)	Same as Host
Rockwell International Corporation DDC-Based Ada/CAPS Compiler, Version 6.0 (#910306W1.11129)	VAX 8650 (under VMS, Version 5.3-1)	CAPS/AAMP1 (bare machine)
*Validated by Registration Rockwell International Corporation DDC-Based Ada/CAPS Compiler, Version 6.1 (BASE #910306W1.11129)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS Versions 5.3-1 & 5.4)	CAPS/AAMP1 (bare machine)
Rockwell International Corporation DDC-Based Ada/CAPS Compiler, Version 6.0 (#910306W1.11130)	VAXstation 3100 Model 30 (under VMS 5.4)	CAPS/AAMP2 (bare machine)
*Validated by Registration Rockwell International Corporation DDC-Based Ada/CAPS Compiler, Version 6.1 (BASE #910306W1.11130)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS Versions 5.3-1 & 5.4)	CAPS/AAMP2 (bare machine)
*Validated by Registration Rockwell International Corporation DDC-Based Ada/CAPS Compiler System, Version 6.3 (BASE #910306W1.11130)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, VAX 9000, & VAX 10000 series of computers (under VMS 5.5-2)	CAPS/AAMP2 & CAPS/AAMP3 (bare machines)
SD-Scicon UK Ltd XD Ada MC68020, Version 1.2 (#901007N1.11042)	VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS Version 5.3)	Motorola MVME133XT board (MC68020) (bare machine)
*Validated by Registration SD-Scicon UK Ltd XD Ada MC68020 Version 1.2 (BASE #901007N1.11042)	VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.3)	Motorola MVME135-1 board (MC68020) and Motorola MVME147S-1 board (MC68030) (bare machines)
*Validated by Registration SD-Scicon UK Ltd XD Ada MC68020, Version 1.2A (BASE #901007N1.11042)	VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.4)	Motorola MVME133XT board (MC68020) (bare machine)
*Validated by Registration SD-Scicon UK Ltd XD Ada MC68020 MVME135 & MVME147, Version 1.2A (BASE #901007N1.11042)	VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.4)	Motorola MVME135-1 (MC68020) & MVME147S-1 (MC68030) boards (bare machines)
*Validated by Registration SD-Scicon UK Ltd XD Ada MC68020/EFA, Version 1.2A (BASE #901007N1.11042)	VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.4)	Motorola MVME135-1 board (MC68020) (bare machine)
*Validated by Registration SD-Scicon UK Ltd XD Ada CPU32 Version 1.2 (BASE #901007N1.11042)	VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2), & MicroVAX II machines) (under VMS 5.4)	Motorola M68340EVS Evaluation System CPU32 (bare machine)
*Validated by Registration SD-Scicon UK Ltd XD Ada CPU32/MC68332 Version 1.2 (BASE #901007N1.11042)	VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2), & MicroVAX II machines) (under VMS 5.4)	Motorola M68332EVS Evaluation System CPU32 (bare machine)
SD-Scicon UK Ltd XD Ada MIL-STD-1750A, Version 1.2 (#901214N1.11080)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.3)	Fairchild F9450 on a SBC-50 board (MIL-STD-1750A) (bare machine)
SD-Scicon UK Ltd XD Ada MC68000, Version 1.2 (#910314N1.11134)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.4)	Motorola MC68000 on an MVME117-3FP board (bare machine)

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration SD-Scicon UK Ltd XD Ada MC68000/EFA, Version 1.2 (BASE #910314N1.11134)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.4)	Motorola MC68000 on an MVME117-3FP board (bare machine)
SD-Scicon UK Ltd XD Ada MC68020/ARTX, Version T1.2 (#910911N1.11199)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.4)	Motorola MVME147S-1 (MC68030) (bare machine)
SD-Scicon UK Ltd XD Ada MC68040, Version 1.2 (#911128N1.11230)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.4)	Motorola MVME165 (MC68040) (bare machine)
*Validated by Registration SD-Scicon UK Ltd XD Ada MC68040/FORCE CPU-40, Version 1.2 (BASE #911128N1.11230)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2), & MicroVAX II machines) (under VMS 5.5)	FORCE CPU-40 (MC68040) (bare machine)
*Validated by Registration SD-Scicon UK Ltd XD Ada MC68040, Version 1.2 (BASE #911128N1.11230)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2), & MicroVAX II machines) (under VMS 5.5)	Motorola MVME167 (68040) (bare machine)
Siemens Nixdorf Informations-systeme AG SIEMENS NIXDORF BS2000 Ada Compiler V2.1 (#[illegible]9I1.11111)	SIEMENS NIXDORF 7.590G (under BS2000 V9.5)	Same as Host
*Validated by Registration Siemens Nixdorf Informations-systeme AG SIEMENS NIXDORF BS2000 Ada Compiler V2.1 (BASE #901119I1.11111)	SIEMENS NIXDORF 7.530, 7.536, 7.541, 7.550, 7.551, 7.560, 7.561, 7.570, 7.571, 7.580 & 7.590; 7.500-C30, -C40, -H60, -H90 & -H120 (under BS2000 V9.5 & V10.0)	Same as Host
Siemens Nixdorf Informations-systeme AG Ada (SINIX) V4.1 (#910711W1.11181)	Siemens Nixdorf WX200 (SINIX-ODT) (under SINIX-ODT V1.0)	Same as Host
*Validated by Registration Siemens Nixdorf Informations-systeme AG Ada (SINIX) V4.1 (BASE #910711W1.11181)	Siemens Nixdorf WX200 (SINIX-ODT) (under SINIX-ODT V1.5)	Same as Host
Siemens Nixdorf Informations-systeme AG Ada (SINIX) V4.1 (#920325I1.11249)	Siemens Nixdorf MX300i (under SINIX Version V5.41)	Same as Host
*Validated by Registration Siemens Nixdorf Informations-systeme AG Ada (SINIX) V4.1 (BASE #920325I1.11249)	Siemens Nixdorf WX200 & MX500i (under SINIX Version 5.41)	Each Host, self targeted
Siemens Nixdorf Informations-systeme AG Ada (SINIX) V4.1 (#920922I1.11276)	Siemens Nixdorf RM600 (under SINIX Version V5.41)	Same as Host
*Validated by Registration Siemens Nixdorf Informations-systeme AG Ada (SINIX) V4.1 (BASE #920922I1.11276)	Siemens Nixdorf RM400 (under SINIX Version V5.41)	Same as Host
Silicon Graphics Computer Systems 4D ADA 3.0 (#900703W1.11014)	Iris-4D/380 (under IRIX Release 4D-3.3)	Same as Host
Silicon Graphics Computer Systems 4D ADA 3.0 (#900703W1.11015)	Iris-4D/220S (under IRIX Release 4D-3.3)	Same as Host
Silicon Graphics Computer Systems 4D ADA 3.0 (#900703W1.11016)	Iris-4D/25 (under IRIX Release 4D-3.3)	Same as Host
Silicon Graphics, Inc. VADS SGI-Irix, SC4-ADA-4.0, Version 6.1 (#910920W1.11203)	SGI Indigo (under Irix V4.0)	Same as Host
*Validated by Registration Silicon Graphics, Inc. VADS SGI-Irix, SC4-ADA-4.0, Version 6.1 (BASE #910920W1.11203)	IRIS Indigo, Personal IRIS 4D, IRIS 4D series of computers (under Irix V4.0)	Any Host
Silicon Graphics, Inc. VADS SGI-Irix, SC4-ADA-4.0, Version 6.1 (#910920W1.11204)	SGI 4D/440 (under Irix V3.3)	Same as Host
SKY Computers, Inc. Meridian Ada, Version 4.1 (#910711W1.11183)	SGI Personal Iris W-4D25 (under Irix System V 3.3)	SKYbolt 8116-V (under SKYbolt kernel version 2.33)
SKY Computers, Inc. Meridian Ada, Version 4.1 (#910711W1.11185)	SPARCstation 1 (under SunOS release 4.1)	SKYstation 8117-P (under SKYstation kernel version 2.33)
SKY Computers, Inc. Meridian Ada, Version 4.1 (#910711W1.11189)	SGI Personal Iris W-4D25 (under Irix System V 3.3)	Same as Host
Stratus Computer, Inc. Stratus Ada, Version 6.1 (#921015W1.11294)	Stratus XA/R20 (under FTX, 2.0.1)	Same as Host
*Validated by Registration Sun Microsystems Sun Microsystems Sun Ada, SunOS, ADE-1.0-4-4-21, Version 1.0 (BASE #900510W1.11006)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families; SPARCserver 600MP Series; & 4600MP-64 (under SunOS Version 4.2 releases 4.1 & 4.1.2, as supported)	Any Host

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Sun Microsystems Sun Microsystems Sun Ada, SunOS, ADE-1.1-4-4-21, Version 1.1 (BASE #900510W1.11006)	Sun Microsystems Sun-4, SPARCserver, SPARCstation, & SPARCengine computer families; SPARCserver 600MP Series; & 4600MP-64 (under SunOS Version 4.2 release 4.1.2)	Any Host
*Validated by Registration Sun Microsystems Sun Microsystems Sun Ada, SunOS, ADE-1.1-4-4-21, Versions 1.0 & 1.1 (BASE #900510W1.11006)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.1.3)	Any Host
Tartan, Inc. Tartan Ada VMS/C30, Version 4.0 (#901210I1.11121)	VAXstation 3100 (under VMS 5.2)	Texas Instruments TMS320C30 Application Board (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/C30, Version 4.1 (BASE #901210I1.11121)	VAXstation 3100 (under VMS 5.2)	Texas Instruments TMS320C30 Application Board (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/C30, Version 4.1.1 (BASE #901210I1.11121)	VAXstation 3100 (under VMS 5.2)	Texas Instruments TMS320C30 Application Board, NAVY SEM-D Key Code ADSP (bare machines)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/C30/IPS, V. 4.1.2 (BASE #901210I1.11121)	VAXstation 3100 (under VMS 5.2)	Texas Instruments TMS320C30 (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/C3X Version 4.3 (BASE #901210I1.11121)	VAXstation 3100 (under VMS 5.5)	Texas Instruments TMS320C30 Application Board, & Atlanta Signal Processors Elf TMS320C31 board (bare machines)
Tartan, Inc. Tartan Ada Sun/960MC, Version 4.0 (#901210I1.11122)	Sun 3/60 (under SunOS Version 4.0.3)	Intel ICE960/25 on an Intel EXV80960MC board (bare machine)
Tartan, Inc. Tartan Ada Sun/Sun, Version 4.0 (#901211I1.11118)	Sun 3/60 (under SunOS Version 4.0.3)	Same as Host
*Validated by Registration Tartan, Inc. Tartan Ada Sun/Sun, Version 4.1 (BASE #901211I1.11118)	Sun 3/60 (under SunOS Version 4.0.3)	Same as Host
*Validated by Registration Tartan, Inc. Tartan Ada Sun/Sun, Version 4.2 (BASE #901211I1.11118)	Sun 3/60 (under SunOS Version 4.0.3)	Same as Host
Tartan, Inc.	VAXstation 3100 (under VMS	Intel ICE960/25 on an Intel

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Tartan Ada VMS/960MC, Version 4.0 (#901212I1.11120)	5.2)	EXV80960MC board (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/960MC, Version 4.1 (BASE #901212I1.11120)	VAXstation 3100 (under VMS 5.2)	Intel EXV80960MC board, & Intel ICE960/25 on an Intel EXV80960MC board (bare machines)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/960MC, Version 4.2.1 (BASE #901212I1.11120)	VAXstation 3100 (under VMS 5.2)	Intel ICE960/25 on an Intel EXV80960MC board (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/960MC, Version 4.2.1 (BASE #901212I1.11120)	VAXstation 3100 (under VMS 5.2)	Intel EXV80960MC board (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/960MC, Version 4.2.2 (BASE #901212I1.11120)	VAXstation 3100 (under VMS 5.2)	Intel EXV80960MC board (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/960MC/SVMRT, Version 4.3 (BASE #901212I1.11120)	VAXstation 3100 (under VMS 5.5)	Cyclone CVME962 board, & Intel EXV80960MC board (bare machines)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/960MC/PMRT, Version 4.3 (BASE #901212I1.11120)	VAXstation 3100 (under VMS 5.5)	Cyclone CVME962 board, Intel EXV80960MC board, & PI-960MX-JXV board (bare machines)
Tartan, Inc. Tartan Ada Sun/C30 Version 4.0 (#901212I1.11123)	Sun 3/50 (under SunOS Version 4.0.3)	Texas Instruments TMS320C30 Application Board (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada Sun/C30, Version 4.1.1 (BASE #901212I1.11123)	Sun 3/50 (under SunOS Version 4.0.3)	Texas Instruments TMS320C30 Application Board (bare machine)
Tartan, Inc. Tartan Ada VMS/1750A, Version 4.0 (#901213I1.11119)	VAXstation 3200 (under VMS 5.2)	Texas Instruments STL VHSIC 1750A (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/1750A, Version 4.1 (BASE #901213I1.11119)	VAXstation 3200 (under VMS 5.2)	Texas Instruments STL VHSIC 1750A (bare machine)

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/1750A, Version 4.3 (BASE #901213I1.11119)	VAXstation 3100 (under VMS 5.5)	Texas Instruments STL VHSIC 1750A, & Fairchild F9450 on an SBC-50 (MIL-STD-1750A) (bare machines)
Tartan, Inc. Tartan Ada VMS/680X0, Version 4.1 (#910613I1.11171)	VAXstation 3100 (under VMS 5.2)	Motorola MVME134 (MC68020) (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/680X0, Version 4.1.7 (BASE #910613I1.11171)	VAXstation 3100 (under VMS 5.2)	Motorola MVME134 (MC68020), MVME143 (MC68030), MVME165 (MC68040) (bare machines)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/680X0/IPS, Version 4.1.2 (BASE #910613I1.11171)	VAXstation 3100 (under VMS 5.2)	Motorola MVME134 (MC68020) (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/68XXX Version 4.3 (BASE #910613I1.11171)	VAXstation 3100 (under VMS 5.5)	Motorola MVME134 (68020), MVME143 (68030), MVME165 (68040), MC68332 (CPU32), & MC68340 (CPU32) (bare machines)
Tartan, Inc. Tartan Ada SPARC C30, Version 4.2 (#920313I1.11244)	SPARCstation ELC (under SunOS version 4.1.1)	Texas Instruments TMS320C30 Application Board (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada SPARC C3X, Version 4.3 (BASE #920313I1.11244)	SPARCstation ELC (under SunOS version 4.1.1)	Texas Instruments TMS320C30 Application Board, & Atlanta Signal Processors Elf TMS320C31 board (bare machines)
Tartan, Inc. Tartan Ada SPARC 1750a, Version 4.2 (#920313I1.11245)	SPARCstation ELC (under SunOS version 4.1.1)	Fairchild F9450 on an SBC-50 board (MIL-STD-1750A) (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada SPARC/1750A, Version 4.3 (BASE #920313I1.11245)	SPARCstation ELC (under SunOS version 4.1.1)	Texas Instruments STL VHSIC 1750A, & Fairchild F9450 on an SBC-50 (MIL-STD-1750A) (bare machines)
Tartan, Inc. Tartan Ada SPARC 680X0, Version 4.2 (#920313I1.11246)	SPARCstation ELC (under SunOS version 4.1.1)	Motorola MVME134 (MC68020) (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada SPARC/ 68XXX Version 4.3 (BASE #920313I1.11246)	SPARCstation ELC (under SunOS version 4.1.1)	Motorola MVME134 (68020), MVME143 (68030), MVME165 (68040), MC68332 (CPU32), & MC68340 (CPU32) (bare machines)
Tartan, Inc. Tartan Ada SPARC 960mc, Version 4.2 (#920313I1.11247)	SPARCstation ELC (under SunOS version 4.1.1)	Intel EXV80960MC board (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada SPARC 960mc, Version 4.2.2 (BASE #920313I1.11247)	SPARCstation ELC (under SunOS Version 4.1.1)	Intel EXV80960MC board (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada RS6000/960mc, Version 4.2.2 (BASE #920313I1.11247)	IBM RISC System/6000 Model 320H (under AIX Version 3.2)	Intel EXV80960MC board (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada SPARC/960MC/SVMRT Version 4.3 (BASE #920313I1.11247)	SPARCstation ELC (under SunOS version 4.1.1)	Cyclone CVME962 board, & Intel EXV80960MC board (bare machines)
*Validated by Registration Tartan, Inc. Tartan Ada SPARC/960MC/PMRT, Version 4.3 (BASE #920313I1.11247)	SPARCstation ELC (under SunOS version 4.1.1)	Cyclone CVME962 board, Intel EXV80960MC board, & PI-960MX-JXV board (bare machines)
Tartan, Inc. Tartan Ada VMS/C40 v4.2.1 (#921030I1.11296)	VAXstation 4000 Model 60 (under VMS 5.5)	Texas Instruments TMS320C40 Parallel Processing Development System (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada SPARC/C40, Version 4.3 (BASE #921030I1.11296)	SPARCstation ELC (under SunOS version 4.1.1)	Texas Instruments TMS320C40 Parallel Develpment System (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/C40, Version 4.3 (BASE #921030I1.11296)	VAXstation 3100 (under VMS 5.5)	Texas Instruments TMS320C40 Parallel Develpment System (bare machine)
TeleSoft TeleGen2 Sun-3 Ada Development System, Version 4.01 (#900525I1.11012)	Sun-3/280 (under Sun UNIX 4.2, Release 4.0.3)	Same as Host
TeleSoft TeleGen2 Ada Host Development System, Version 4.1, for SPARCSystems (#901128W1.11090)	Sun-4/280 (under Sun UNIX 4.2, Release 4.1)	Same as Host
*Validated by Registration TeleSoft TeleGen2 Ada Host Development System for SPARCSystems, Version 4.1 (BASE #901128W1.11090)	Sun Microsystems Sun-4, SPARCserver, SPARCstation, & SPARCengine computer families (under SunOS 4.2, release 4.1)	Any Host
*Validated by Registration TeleSoft TeleGen2 Ada Host Development System for SPARCSystems, Version 4.1 (BASE #901128W1.11090)	Solbourne Series 5 & 5E; and S4000 (under OS/MP 4.1)	Any Host

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration TeleSoft TeleGen2 Ada Host Development System for SPARCSystems, Version 4.1.1 (BASE #901128W1.11090)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under Solaris 2.1)	Any Host
TeleSoft TeleGen2 Ada Cross Development System, Version 4.1, for VAX/VMS to 68K (#910121I1.11124)	MicroVAX 3800 (under VAX/VMS Version 5.2)	Motorola MVME133A-20 (MC68020) (bare machine)
*Validated by Registration TeleSoft TeleGen2 Ada Cross Development System for VAX to 68K, Version 4.1 (BASE #910121I1.11124)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS Versions 5.0, 5.1, 5.2, 5.3 & 5.4, as supported)	Motorola board series MVME133*, MVME135*, MVME136* (MC68020); MVME141* & MVME147* (MC68030); and Force CPU-30, CPU-31, CPU-32 & CPU-37 (bare machines)
*Validated by Registration TeleSoft TeleSoft TRIAD System for VAX/VMS to 68K, Version 4.1 (BASE #910121I1.11124)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS Versions 5.0, 5.1, 5.2, 5.3 & 5.4, as supported)	Motorola board series MVME147* (MC68030) (bare machines, using TeleAda-Exec)
*Validated by Registration TeleSoft TeleGen2 Ada Cross Development System for VAX/VMS to 68K, Version 4.1 (BASE #910121I1.11124)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (as supported) (under VMS Versions 5.0, 5.1, 5.2, 5.3 & 5.4)	Motorola MVME165* & MVME167* (68040) board families (bare machines)
TeleSoft TeleGen2 Ada Cross Development System, Version 4.1, for VAX/VMS to MIPS (#910123I1.11125)	MicroVAX 3800 (under VAX/VMS Version 5.2)	Integrated Device Technology IDT7RS301 System (R3000/R3010) (bare machine)
TeleSoft TeleGen2 Ada Cross Development System, Version 4.1, for SUN-3 to 68K (#910125I1.11126)	Sun-3/480 (under Sun UNIX, Release 4.1)	Motorola MVME135-1 (MC68020) (bare machine)
TeleSoft TeleGen2 Ada Cross Development System, Version 3.1 for VAX/VMS to 386 (#910325I1.11139)	VAX 6210 (under VMS 5.3)	Intel ISBC 386-120 (80386/387) (bare machine, using TeleAda-EXEC 1.0)
*Validated by Registration TeleSoft TeleGen2 Ada Cross Development System, Version 3.1 (BASE #910325I1.11139)	VAX 4000-300 (under VMS 5.4-3)	Intel ISBC 486/133SE board (bare machine, using TeleAda-EXEC 1.0)
TeleSoft TeleGen2 Ada Cross Development System, Version 3.1 for SPARC to 68K (#910325I1.11140)	Sun-4/60 (under SunOS 4.1)	Motorola MVME147 (68030) (bare machine, using TeleAda-EXEC 1.0)
*Validated by Registration TeleSoft TeleGen2 Ada Cross Development System for SPARC to 68K, Version 4.1 (BASE #910325I1.11140)	Sun Microsystems Sun-4, SPARCserver & SPARCstation computer families (under SunOS 4.1)	Motorola MVME133*, MVME135*, MVME136* (68020); MVME141* & MVME147* (68030); and MVME165* & MVME167* (68040) board families (bare machines, optionally using TeleAda_Exec 2.0)
TeleSoft TeleGen2 Ada Host Development System, Version 4.1, for MacII Systems (#910721I1.11194)	Apple Macintosh IIfx (under A/UX 2.0)	Same as Host
*Validated by Registration TeleSoft TeleGen2 Ada Host Development System for MacII Systems, Version 4.1 (BASE #910721I1.11194)	Apple Macintosh II family, & SE/30 (under A/UX Release 2.0)	Any Host
TeleSoft TeleGen2 Ada Development System for VAX to 1750A, Version 3.25 (#911028I1.11229)	MicroVAX 3800 (under VMS Version 5.4)	MIL-STD-1750A ECSPO ITS RAID Simulator, Version 6.0 (bare machine simulation, executing on the Host)
TeleSoft TeleGen2 Ada Compilation System for VAX to 80960, Version 4.1 (#911213I1.11235)	MicroVAX 3800 (under VMS Version 5.4) Hughes O.S. Ada RTS	Intel EXV 960 MC-MIL (i960 XA) (bare machine, using Interface)
TeleSoft TeleGen2 Ada Cross Development System Version 4.1.1 for SUN-4 to eMIPS (#921029I1.11295)	Sun-4/690 (under SunOS Release 4.1.2)	Integrated Device Technology IDT7RS301 System (R3000/R3010) (bare machine)
TeleSoft TeleGen2(tm) Ada Cross Development System for Sun-4 to i960, Version 4.1.1 (#921218I1.11303)	Sun-4/690 (under SunOS Release 4.1.2)	CVME962 System (i960XA board with MC Processor) (bare machine)
TeleSoft TeleGen2(tm) Ada Cross Development System for Sun-4 to e68k, Version 4.1c (#921218I1.11304)	Sun-4/690 (under SunOS Release 4.1.2)	Motorola MVME147S-1 (68030/68882) (bare machine)
Texas Instruments MIPS-Ada, Version 3.0 (#901030W1.11052)	MIPS M/2000 (under RISC/os 4.02)	TI DP32 R3000 Processor (bare machine, using TI DP32 RTE Version 1.0)
Texas Instruments TI Ada, Version 1.0 (#910403W1.11135)	MicroVAX 3400 (under VMS 5.3-1)	TI DP32 R3000 Processor (bare machine, using TI Executive and Runtime Services (EARS) Version 1.0)
TLD Systems, Ltd. TLD Sun-4/MIL-STD-1750A Ada Compiler System, Version 2.9.0 (#920319W1.11237)	Sun-4/75 (under SunOS, Version 4.1.1)	Rockwell International RI-1750AB Brassboard Development System (bare machine, using TLDrtx Real Time Executive, Version 1.0.0)
TLD Systems, Ltd. TLD MV/MV Ada Compiler System, Version 2.9.0 (#920319W1.11238)	Data General MV/32 20000-2 (under AOS/VS II, Version 2.03)	Same as Host

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
TLD Systems, Ltd. TLD Sun-4/MIL-STD-175 0A Ada Compiler System, Version 2.9.0 (#920319W1.11239)	Sun-4/75 (under SunOS, Version 4.1.1)	Honeywell Program Development Unit (PDU) with Honeywell Generic VHSIC Spaceborne Computer (GVSC) MIL-STD-1750A (bare machine, using TLDrtx Real Time Executive, Version 1.0.0)
TLD Systems, Ltd. TLD Sun-4/MIL-STD-175 0A Ada Compiler System, Version 2.9.0 (#920319W1.11240)	Sun-4/75 (under SunOS, Version 4.1.1)	TLD MIL-STD-1750A Multiple Processor Simulator (bare machine simulation, using TLDrtx Real Time Executive, Version 1.0.0, and executing on the Host)
TLD Systems, Ltd. TLD RISC6000/MIL-STD- 1750A Ada Compiler System, Version 2.9.0 (#920319W1.11241)	IBM RISC System 6000, Model 530 (under AIX, Version 3.1)	TLDmps MIL-STD-1750A Multiple Processor Simulator (bare machine simulation, using TLDrtx Real Time Executive, Version 1.0.0, and executing on the Host)
*Validated by Registration TLD Systems, Ltd. TLD RISC6000/MIL-STD- 1750A Ada Compiler System, Version 2.9.0 (BASE #920319W1.11241)	IBM RISC System 6000 series (under AIX, Version 3.1)	IBM User Console with IBM generic VHSIC Spaceborne Computer (bare machine, using TLDrtx Real Time Execution, Version 1.0.0)
TLD Systems, Ltd. TLD VAX/MIL-STD-1750A Ada Compiler System, Version 2.9.0 (#920319W1.11242)	MicroVAX 3500 (under VMS, Version 5.1)	TLD MIL-STD-1750A Multiple Processor Simulator (bare machine simulation, using TLDrtx Real Time Executive, Version 1.0.0, and executing on the Host)
*Validated by Registration TLD Systems, Ltd. TLD VAX/MIL-STD-1750A Ada Compiler System, Version 2.9.0 (BASE #920319W1.11242)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, & VAX 9000 Series of computers (under VMS 5.4)	IBM User Console with IBM generic VHSIC Spaceborne Computer (bare machine, using TLDrtx Real Time Execution, Version 1.0.0)
TLD Systems, Ltd. TLD HP 9000/MIL-STD-1750 A Ada Compiler System, Version 2.9.0 (#920319W1.11243)	HP 9000/350 (under HP-UX, Version 7.0)	TLDmps MIL-STD-1750A Multiple Processor Simulator (bare machine simulation, using TLDrtx Real Time Executive, Version 1.0.0, and executing on the Host)
U.S. Air Force AFCAS 1750A Ada Compiler, Version 1.0 (#910425W1.11142)	VAXstation 3100 (under VMS Version 5.3)	Air Force RAID MIL-STD-1750A simulator (bare machine simulation, executing on the Host)
*Validated by Registration U.S. Air Force AFCAS 1750A Ada Compiler, Version 1.1 (BASE #910425W1.11142)	DEC VAXstation 3100 (under VMS Version 5.4)	Air Force RAID MIL-STD-1750A simulator (bare machine simulation, executing on the Host)
U.S. Air Force AFCAS 1750A/XMEM Ada Compiler, Version 1.0 (#910425W1.11143)	VAXstation 3100 (under VMS Version 5.3)	Air Force RAID MIL-STD-1750A simulator (bare machine simulation, executing on the Host)
*Validated by Registration U.S. Air Force AFCAS 1750A/XMEM Ada Compiler, Version 1.1 (BASE #910425W1.11143)	DEC VAXstation 3100 (under VMS Version 5.4)	Air Force RAID MIL-STD-1750A simulator (bare machine simulation, executing on the Host)
U.S. NAVY AdaVAX, Version 5.0 (/OPTIMIZE) (#910517S1.11162)	VAX 8600 (under VMS Version 5.3)	Same as Host
U.S. NAVY AdaVAX, Version 5.0 (/NO_OPTIMIZE) (#910517S1.11163)	VAX 8600 (under VMS Version 5.3)	Same as Host
U.S. NAVY AdaVAX, Version 5.0 (/OPTIMIZE) (#910517S1.11164)	VAX-11/785 (under VMS Version 5.3)	Same as Host
U.S. NAVY AdaVAX, Version 5.0 (/NO_OPTIMIZE) (#910517S1.11165)	VAX-11/785 (under VMS Version 5.3)	Same as Host
U.S. NAVY Ada/L, Version 4.0 (/OPTIMIZE) (#910626S1.11172)	VAX 8550 (under VMS Version 5.3)	AN/UYK-43 (single cpu) (bare machine)
U.S. NAVY Ada/L, Version 4.0 (/OPTIMIZE) (#910626S1.11173)	VAX 8550 (under VMS Version 5.3)	AN/UYK-43 (EMR) (bare machine)
U.S. NAVY Ada/M, Version 4.0 (/OPTIMIZE) (#910626S1.11174)	VAX 8550 (under VMS Version 5.3)	AN/UYK-44 (EMR) (bare machine)
U.S. NAVY Ada/M, Version 4.0 (/OPTIMIZE) (#910626S1.11175)	VAX 8550 (under VMS Version 5.3)	AN/AYK-14 (bare machine)
U.S. NAVY Ada/L, Version 4.0 (/OPTIMIZE) (#910626S1.11176)	VAX-11/785 (under VMS Version 5.3)	AN/UYK-43 (single cpu) (bare machine)
U.S. NAVY Ada/L, Version 4.0 (/OPTIMIZE) (#910626S1.11177)	VAX-11/785 (under VMS Version 5.3)	AN/UYK-43 (EMR) (bare machine)
U.S. NAVY Ada/M, Version 4.0 (/OPTIMIZE) (#910626S1.11178)	VAX-11/785 (under VMS Version 5.3)	AN/UYK-44 (EMR) (bare machine)
U.S. NAVY Ada/M, Version 4.0 (/OPTIMIZE) (#910626S1.11179)	VAX-11/785 (under VMS Version 5.3)	AN/AYK-14 (bare machine)
U.S. NAVY AdaVAX, Version 5.5 (/OPTIMIZE) (#920918S1.11270)	VAXstation 4000 (under VMS Version 5.5)	Same as Host
U.S. NAVY AdaVAX, Version 5.5 (/NO_OPTIMIZE) (#920918S1.11271)	VAXstation 4000 (under VMS Version 5.5)	Same as Host
U.S. NAVY Ada/M, Version 4.5 (/OPTIMIZE) (#920918S1.11272)	VAX Cluster (comprising VAX 8550, 8600, & 8650 machines) (under VMS Version 5.3)	Enhanced Processor (EP) AN/UYK-44 (bare machine)
U.S. NAVY Ada/M, Version 4.5 (/OPTIMIZE) (#920918S1.11273)	VAX Cluster (comprising VAX 8550, 8600, & 8650 machines) (under VMS Version 5.3)	VHSIC Processor Module (VPM) AN/AYK-14 (bare machine)

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
U.S. NAVY Ada/M, Version 4.5 (/NO_OPTIMIZE) (#920918S1.11274)	VAX Cluster (comprising VAX 8550, 8600, & 8650 machines) (under VMS Version 5.3)	Enhanced Processor (EP) AN/UYK-44 (bare machine)
U.S. NAVY Ada/M, Version 4.5 (/NO_OPTIMIZE) (#920918S1.11275)	VAX Cluster (comprising VAX 8550, 8600, & 8650 machines) (under VMS Version 5.3)	VHSIC Processor Module (VPM) AN/AYK-14 (bare machine)
UNISYS Corporation UCS Ada, Version 1R1 (#910510S1.11161)	UNISYS 2200/600 (under OS1100, Version 43R2)	Same as Host
*Validated by Registration UNISYS Corporation UCS Ada, Version 1R1 (BASE #910510S1.11161)	UNISYS 1100/90, 2200/100, /200, /400, /600, & /900 (under OS 1100, Versions 43R2 & 43R3, as supported)	Any Host
Verdix Corporation VAda-110-6161, Version 6.0.2 (#900228W1.11001)	DECstation 3100 (under ULTRIX 3.1)	Same as Host
*Validated by Registration Verdix Corporation VAda-110-6161, Version 6.0.2 (BASE #900228W1.11001)	DECstation 2100, 5000; DECsystem 5400, 5810, 5820, 5830, 5840 (under ULTRIX 3.1)	Any Host
*Validated by Registration Verdix Corporation VADS DEC-RISC, Ultrix 4.0, VAda-110-6161, Version 6.0 (BASE #900228W1.11001)	DECstation 2100, 3100, 5000 & 5200; and DECsystem 3100, 5000, 5100, 5200, 5400, 5500, 5810, 5820, 5830 & 5840 (under ULTRIX 4.0)	Any Host
*Validated by Registration Verdix Corporation VADS DEC-RISC, Ultrix 4.1, VAda-110-6161, Version 6.0 (BASE #900228W1.11001)	DECstation 2100, 3100, 5000 & 5200; and DECsystem 3100, 5000, 5100, 5200, 5400, 5500, 5810, 5820, 5830 & 5840 (under ULTRIX 4.1)	Any Host
*Validated by Registration Verdix Corporation VADS DEC-RISC, Ultrix 4.2, VAda-110-6161, Version 6.0 (BASE #900228W1.11001)	DECstation 2100, 3100, 5000 & 5200; DECsystem 3100, 5000, 5100, 5200, 5400, 5500, 5810, 5820, 5830 & 5840 (under Ultrix 4.2)	Any Host
Verdix Corporation VAda-110-0202, Version 6.0 (#900228W1.11002)	VAXsystem 3100 (under ULTRIX 3.1)	Same as Host
*Validated by Registration Verdix Corporation VAda-110-0202, Version 6.0 (BASE #900228W1.11002)	DEC VAX-11, MicroVAX, VAXserver, VAXstation, VAX 6000, VAX 8000 & VAX 9000 series (under ULTRIX 4.0)	Any Host
*Validated by Registration Verdix Corporation VAda-110-0202, Version 6.0 (BASE #900228W1.11002)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under ULTRIX 4.2)	Any Host
Verdix Corporation VADS Sun3 SunOS, VAda-110-1313, Version 6.0 (#900510W1.11003)	Sun 3/280 (under SunOS 4.0)	Same as Host
*Validated by Registration Verdix Corporation VADS Sun-3 Sun OS, VAda-110-1313, Version 6.0 (BASE #900510W1.11003)	Sun-3/50, /60, /80, /150, /160, /260, /280, /470 & /480 (under SunOS 4.0 & 4.1)	Any Host machine (under same OS version)
Verdix Corporation VADS IBM PS/2 AIX => Intel 80386, VAda-110-35315, Version 6.0 (#900510W1.11004)	IBM PS/2 Model 80 (under AIX 1.1)	Intel iSBC 386/12 (bare machine)
Verdix Corporation VADS IBM PS/2 AIX => 68K, VAda-110-35125, Version 6.0 (#900510W1.11005)	IBM PS/2 Model 80 (under AIX 1.1)	Motorola MVME133A-20 (MC68020) (bare machine)
Verdix Corporation VADS Sun-4 SunOS, VAda-110-4040, Version 6.0 (#900510W1.11006)	Sun 4/280 (under SunOS 4.0)	Same as Host
*Validated by Registration Verdix Corporation VAda-110-4040, Version 6.0 (BASE #900510W1.11006)	Sun-4/20, /65, /110, /150 & /260; SPARCserver 310, 330, 370, 390, 470 & 490; SPARCstation SLC, 1, 1+, 2, 310, 330 & 370; and SPARCengine 1 VME (under SunOS 4.1)	Any Host
Verdix Corporation VADS Sun3 SunOS => 68K, VAda-110-13125, Version 6.0 (#900510W1.11007)	Sun 3/280 (under SunOS 4.0)	Motorola MVME147 (MC68030) (bare machine)
*Validated by Registration Verdix Corporation VADS Sun3 SunOS => 68K, VAda-110-13125, Version 6.0 (BASE #900510W1.11007)	Sun-3/50, /60, /80, /150, /160, /260, /280, /470 & /480 (under SunOS 4.0 & 4.1)	Cyclone CVME 44, CVME 46 & CVME 48; Force CPU 21, CPU 29 CPU 30, CPU 31, CPU 32, CPU 37 & Golden Triangle Firepower; Heurikon HK68/V30 Series, V2E Series & V2F Series; Integrated Solutions VME68K20, VME68K30, VME68225 & Liberator SBC; Matrix MS-CPU220, MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120 & MZ8130; Sun Microsystems 3E Board Set; Motorola MVME147 Series & MVME141 (MC68030), MVME133 Series, MVME134, MVME135 & MVME136 (MC68020), MVME-110, MVME-165 & MVME-167; Tadpole TP32V & TP33M (bare machines)

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Verdix Corporation VADS IBM RISC System/6000, AIX 3.1, VAda-110-7171, Version 6.0 (#900726W1.11017)	IBM RISC System/6000 Model 530 (under AIX 3.1)	Same as Host
*Validated by Registration Verdix Corporation VADS IBM RISC System/6000, AIX 3.1, VAda-110-7171, Version 6.0 (BASE #900726W1.11017)	IBM RISC System/6000 Models 320, 520, 540, 730 & 930 (under AIX 3.1)	Any Host
*Validated by Registration Verdix Corporation VADS IBM RISC System/6000, AIX 3.1, VAda-110-7171, Version 6.0 (BASE #900726W1.11017)	IBM RISC System/6000 Models 220, 320, 320H, 340, 350, 520, 520H, 530H, 540, 550, 560, 730, 930, & 950 (under AIX 3.2)	Any Host
Verdix Corporation VADS HP 9000/300, HP-UX 7.0, VAda-110-1515, Version 6.0 (#900726W1.11018)	HP 9000/350 (under HP-UX 7.0)	Same as Host
*Validated by Registration Verdix Corporation VADS HP 9000/300, HP-UX 7.0, VAda-110-1515, Version 6.0 (BASE #900726W1.11018)	HP 9000 Series 300 Models 310, 320, 330, 340, 350, 360 & 370 (under HP-UX 7.0)	Any Host
Verdix Corporation VADS Prime EXL/320, UNIX System V/386 3.2, VAda-110-3232, Version 6.0 (#900726W1.11019)	Prime EXL/320 (under UNIX System V/386 3.2)	Same as Host
Verdix Corporation VADS VAX/VMS 5.2, VAda-110-0303, Version 6.0 (#900726W1.11020)	MicroVAX 3100 (under VAX/VMS V5.2)	Same as Host
*Validated by Registration Verdix Corporation VADS VAX/VMS 5.3, VAda-110-0303, Version 6.0 (BASE #900726W1.11020)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS 5.3)	Any Host
Verdix Corporation VADS VAX/VMS = > 68k, VMS 5.2, VAda-110-03125, Version 6.0 (#900726W1.11021)	MicroVAX 3100 (under VAX/VMS V5.2)	Motorola MVME147 (MC68030) (bare machine)
*Validated by Registration Verdix Corporation VADS VAX/VMS = > 68K, VMS 5.2, VAda-110-03125, Version 6.0 (BASE #900726W1.11021)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS 5.2)	Cyclone CVME 44, CVME 46 & CVME 48; Force CPU 21, CPU 29 CPU 30, CPU 31, CPU 32, CPU 37 & Golden Triangle Firepower; Heurikon HK68/V30 Series, V2E Series & V2F Series; Integrated Solutions VME68K20, VME68K30, VME68225 & Liberator SBC; Matrix MS-CPU220, MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120 & MZ8130; Sun Microsystems 3E Board Set; Motorola MVME147 Series & MVME141 (MC68030), MVME133 Series, MVME134, MVME135 & MVME136 (MC68020), MVME-165 & MVME167; Tadpole TP32V & TP33M (bare machines)
Verdix Corporation VADS VAX/VMS = > Intel 386, VMS 5.2, VAda-110-03315, Version 6.0 (#900726W1.11022)	MicroVAX 3100 (under VAX/VMS V5.2)	Intel iSBC 386/32 (bare machine)
*Validated by Registration Verdix Corporation VADS VAX/VMS = > Intel 386, VMS 5.3, VAda-110-03315, Version 6.0 (BASE #900726W1.11022)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS 5.3)	Intel iSBC 386/32 (bare machine)
Verdix Corporation VADS VAX/Ultrix = > 68k, Ultrix 3.1, VAda-110-02125, Version 6.0 (#900726W1.11023)	MicroVAX 3100 (under Ultrix 3.1)	Tektronix MV System, MV 68020 Support System, using TekDB Version 5.0.2 emulation software (bare machine simulation)
*Validated by Registration Verdix Corporation VADS VAX/ULTRIX = > 68K, ULTRIX 3.1, VAda-110-02125, Version 6.0 (BASE #900726W1.11023)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under Ultrix 3.1)	Cyclone CVME 44, CVME 46 & CVME 48; Force CPU 21, CPU 29 CPU 30, CPU 31, CPU 32, CPU 37 & Golden Triangle Firepower; Heurikon HK68/V30 Series, V2E Series & V2F Series; Integrated Solutions VME68K20, VME68K30, VME68225 & Liberator SBC; Matrix MS-CPU220, MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120 & MZ8130; Sun Microsystems 3E Board Set; Motorola MVME147 Series & MVME141 (MC68030), MVME133 Series, MVME134 & MVME135 (MC68020); Tadpole TP32V & TP33M (bare machines); Tektronix MV System, MV 68020 Support System using TekDB Version 5.0.2 emulation software (bare machine simulation)
Verdix Corporation VADS DEC-RISK = > 68k, Ultrix 3.1, VAda-110-61125, Version 6.0 (#900726W1.11024)	DECstation 3100 (under Ultrix 3.1)	Motorola MVME147 (MC68030) (bare machine)

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Verdix Corporation VADS DEC-RISC => 68K, Ultrix 4.0, VAda-110-61125, Version 6.0 (BASE #900726W1.11024)	DECstation 2100, 3100, 5000 & 5200; and DECsystem 3100, 5000, 5100, 5200, 5400, 5500, 5810, 5820, 5830 & 5840 (under ULTRIX 4.0)	Cyclone CVME 44, CVME 46 & CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37 & Golden Triangle Firepower; Heurikon HK68/V30 Series, V2E Series & V2F Series; Integrated Solutions VME68K20, VME68K30, VME68225 & Liberator SBC; Matrix MS-CPU220 & MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120 & MZ8130; Sun Microsystems 3E Board Set; Motorola MVME147 Series (MC68030), MVME133 Series, MVME134 & MVME135 (MC68020); Tadpole TP32V & TP33M (bare machines)
Verdix Corporation VADS IBM RISC System/6000 => 68k, AIX 3.1, VAda-110-71125, Version 6.0 (#900726W1.11025)	IBM RISC System/6000 Model 530 (under AIX 3.1)	Motorola MVME147 (MC68030) (bare machine)
*Validated by Registration Verdix Corporation VADS IBM RISC System/6000 => 68K, AIX 3.1, VAda-110-71125, Version 6.0 (BASE #900726W1.11025)	IBM RISC System/6000 Models 320, 520, 540, 730 & 930 (under AIX 3.1)	Cyclone CVME 44, CVME 46 & CVME48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37 & Golden Triangle Firepower; Heurikon HK68/V30 Series, V2E Series & V2F Series; Integrated Solutions VME68K20, VME68K30, VME68225 & Liberator SBC; Matrix MS-CPU220 & MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120 & MZ8130; Sun Microsystems 3E Board Set; Motorola MVME133 Series, MVME134, MVME135 & MVME147 Series; and Tadpole TP32V & TP33M (bare machines)
Verdix Corporation VADS IBM RISC System/6000 => 386, AIX 3.1, VAda-110-71315, Version 6.0 (#900726W1.11026)	IBM RISC System/6000 Model 530 (under AIX 3.1)	Intel ISBC 386/116 (bare machine)
*Validated by Registration Verdix Corporation VADS IBM RISC System/6000 => 386, AIX 3.1, VAda-110-71315, Version 6.0 (BASE #900726W1.11026)	IBM RISC System/6000 Models 320, 520, 540, 730 & 930 (under AIX 3.1)	Intel ISBC 386/116 (bare machine)
*Validated by Registration Verdix Corporation VADS IBM RISC System/6000 => 386, AIX 3.1, VAda-110-71315, Version 6.0 (BASE #900726W1.11026)	IBM RISC System/6000 Models 220, 320, 320H, 340, 350, 520, 520H, 530H, 540, 550, 560, 730, 930, & 950 (under AIX 3.2)	Intel ISBC 486/125 (bare machine)
Verdix Corporation VADS VAX/VMS 5.2 => Intel 80386/WEITEK 3167, VAda-110-03315, Version 6.0 (#901129W1.11094)	MicroVAX 3100 (under VMS Version 5.2)	Intel ISBC 386/116 using a WEITEK 3167 fpu (bare machine)
*Validated by Registration Verdix Corporation VADS VAX/VMS 5.3 => Intel 80386/WEITEK 3167, VAda-110-03315, Version 6.0 (BASE #901129W1.11094)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS 5.3)	Intel ISBC 386/116 using a WEITEK 3167 fpu (bare machine)
Verdix Corporation VADS UNIX System V/386, Rel. 4, VAda-110-3232, Version 6.0 (#901129W1.11095)	Intel 302 System (under UNIX System V/386, Release 4)	Same as Host
*Validated by Registration Verdix Corporation VADS UNIX System V/486, Rel. 4, VAda-110-3232, Version 6.0 (BASE #901129W1.11095)	NCR 3000, 3320, 3335, 3345, 3445, 3447, 3450, & 3550 (under UNIX System V/486, Release 4)	Any Host
*Validated by Registration Verdix Corporation VADS UNIX System V/486, Rel.4, VAda-110-3232, Version 6.0 (BASE #901129W1.11095)	NCR 3000, 3320, 3335, 3345, 3445, 3447, 3450, & 3550 (under NCR UNIX System V, Release 4.0); AST Premium 486/33 (under UNIX System V/486, Release 4.0)	Any Host
Verdix Corporation VADS Sequent Balance DYNIX V3.0, VAda-110-2323, Version 6.0 (#901129W1.11096)	Sequent Balance 8000 (under DYNIX Version 3.0)	Same as Host
Verdix Corporation VADS Sun4 => 68K, Sun OS 4.0, VAda-110-40125, Version 6.0 (#901129W1.11097)	Sun-4/260 (under SunOS 4.0)	Motorola MVME147 (68030) (bare machine)
*Validated by Registration Verdix Corporation VADS Sun4 => 68K, Sun OS 4.0, VAda-110-40125, Version 6.0 (BASE #901129W1.11097)	Sun-4/20, /65, /110 & /150; SPARCserver 330, 370, 390, 470 & 490; SPARCstation SLC, 1, 1+, 2, 330 & 370; and SPARCengine 1 VME (under SunOS 4.1)	Cyclone CVME 44, CVME 46 & CVME 48; Force CPU 21, CPU 29 CPU 30, CPU 31, CPU 32, CPU 37 & Golden Triangle Firepower; Heurikon HK68/V30 Series, V2E Series & V2F Series; Integrated Solutions VME68K20, VME68K30, VME68225 & Liberator SBC; Matrix MS-CPU220, MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120 & MZ8130; Sun Microsystems 3E Board Set; Motorola MVME110 (MC68000), MVME133 Series, MVME134, MVME135, MVME136 (MC68020), MVME147 Series & MVME141 (MC68030), MVME-165 & MVME-167 (MC68040); Tadpole TP32V & TP33M (bare machines)

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Verdix Corporation VADS Sun4 => 68K, Sun OS 4.1, VAda-110-40125, Version 6.0 (BASE #901129W1.11097)	Sun Microsystems Sun-4, SPARCserver, SPARCstation, & SPARCengine computer families (under SunOS 4.1)	Cyclone CVME 44, 46, & 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37, & Golden Triangle Firepower; Heurikon HK68/V2E Series, /V2F Series, & /V30 Series; Integrated Solutions VME68K20, 68K30, 68225, & Liberator SBC; Matrix MS-CPU220, MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120, MZ8130, & CPU330; Motorola MVME133 Series, MVME134, MVME135, & MVME147 Series; Sun Microsystems 3E board set; and Tadpole Technology TP32V & TP33M (bare machines)
Verdix Corporation VADS Sun-4 => Sun-3, Sun OS 4.0, VAda-110-4013, Version 6.0 (#901129W1.11098)	Sun-4/260 (under SunOS 4.0)	Sun-3/260 (under SunOS 4.0)
*Validated by Registration Verdix Corporation VADS Sun-4 => Sun-3, Sun OS 4.0, VAda-110-4013, Version 6.0 (BASE #901129W1.11098)	Sun-4/20, /65, /110, /150, /260 & /280; SPARCserver 330, 370, 390, 470 & 490; SPARCstation SLC, 1, 1+, 2, 330 & 370; and SPARCengine 1 VME (under SunOS 4.1)	Sun-3/50, /60, /80, /150, /160, /260, /280, /470 & /480 (under SunOS 4.1)
Verdix Corporation VADS AT&T 3B2/600G UNIX System V, Release 3.2.2, VAda-110-5151, Version 6.0 (#901129W1.11099)	AT&T 3B2/600G (under UNIX System V, Release 3.2.2)	Same as Host
Verdix Corporation VADS HP-9000/300 => 68K, HP-UX 7.0 , VAda-110-15125, Version 6.0 (#901129W1.11100)	HP 9000 Model 350 (under HP-UX 7.0)	Motorola MVME133A (68020) (bare machine)
*Validated by Registration Verdix Corporation VADS HP-9000/300 => 68K, HP-UX 7.0, VAda-110-15125, Version 6.0 (BASE #901129W1.11100)	HP 9000 Series 300 Models 310, 320, 330, 340, 350, 360 & 370 (under HP-UX 7.0)	Cyclone CVME 44, CVME 46 & CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37 & Golden Triangle Firepower; Heurikon HK68/V30 Series, V2E Series & V2F Series; integrated Solutions VME68K20, VME68K30, VME68225 & Liberator SBC; Matrix MS-CPU220 & MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120 & MZ8130; Sun Microsystems 3E Board Set; Motorola MVME147 Series (MC68030), MVME133 Series, MVME134 & MVME135 (MC68020); Tadpole TP32V & TP33M (bare machines)
Verdix Corporation VADS BCS/88K, AVlion DGUX 4.3, VAda-110-8080, Version 6.1 (#901129W1.11101)	Data General AViiON Model 5120 (under DG/UX 4.3)	Same as Host
*Validated by Registration Verdix Corporation VADS BCS/88K, AVlion DGUX 4.3, VAda-110-8080, Version 6.1 (BASE #901129W1.11101)	DG AViiON Models 4000, 4000GHI, 4020, 4100, 4120, 5010, 5200, 5220, 5240, 5300, 5310, 5400, 5402, 5410, 5412, 6200 & 6220 (under DG/UX 4.3)	Any Host
*Validated by Registration Verdix Corporation VADS BCS/88K AVlion DGUX 5.4, VAda-110-8080, Version 6.1 (BASE #901129W1.11101)	Data General AViiON Models 4000, 4000GHi, 4020, 4100, 4120, 5010, 5200, 5220, 5240, 5300, 5310, 5400, 5402, 5410, 5412, 6200 & 6220; MODCOMP Real Star Family (under DG/UX 5.4)	Any Host
*Validated by Registration Verdix Corporation VADS BCS/88K, VAda-110-8080, Version 6.1 (BASE #901129W1.11101)	MODCOMP Real Star Family (under REAL/IX C.0.2)	Any Host
*Validated by Registration Verdix Corporation VADS BCS/88K, VAda-110-8080, Version 6.1 (BASE #901129W1.11101)	Motorola 8000 Delta Series (MC88000), all models (under Unix System V/68, R32V3)	Any Host
Verdix Corporation VADS Sun4 => SPARC, Sun OS 4.1, VAda-110-40440, Version 6.0 (#901129W1.11102)	Sun-4/490 (under SunOS 4.1)	SPARCengine 1E (bare machine)
*Validated by Registration Verdix Corporation VADS Sun4 => SPARC, Sun OS 4.1, VAda-110-40440, Version 6.0 (BASE #901129W1.11102)	Sun-4/20, /65, /110, /150 & /260; SPARCserver 330, 370, 390, 470 & 490; and SPARCstation SLC, 1, 1+, 2, 330 & 370 (under SunOS 4.1)	SPARCengine 1E (bare machine)
Verdix Corporation VADS Sun-3 SunOS => 68k, VAda-110-13140, Version 6.0 (#910517W1.11149)	Sun 3/260 (under SunOS Release 4.0)	Motorola MVME165 (68040) (bare machine)
*Validated by Registration Verdix Corporation VADS Sun-3 SunOS => 68k, VAda-110-13140, Version 6.0 (BASE #910517W1.11149)	Sun Microsystems Sun-3 computer family (under SunOS 4.1)	Motorola MVME 165 (MC68040) (bare machine)
Verdix Corporation VADS DEC-RISC => MIPS R3000, VAda-110-61620, Version 6.1 (#910517W1.11150)	DECstation 5000-200 (under ULTRIX V4.0)	Lockheed Sanders STAR MVP (R3000) (bare machine)
*Validated by Registration Verdix Corporation VADS DEC-RISC => MIPS R3000, VAda-110-61620, Version 6.1 (BASE #910517W1.11150)	DEC DECstation & DECsystem computer families (under ULTRIX 4.0)	Lockheed Sanders STAR MVP (R3000) (bare machine)

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Verdix Corporation VADS VMS => MIPS R3000, VAda-110-03620, Version 6.1 (#910517W1.11151)	MicroVAX 3600 (under VMS V5.2)	Integrated Device Technology IDT7RS302 (bare machine)
*Validated by Registration Verdix Corporation VADS VMS => MIPS R3000, VAda-110-03620, Version 6.1 (BASE #910517W1.11151)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS 5.3)	Integrated Device Technology IDT7RS302 (bare machine)
Verdix Corporation VADS Sun-4 SunOS => 68k, VAda-110-40140, Version 6.0 (#910517W1.11152)	Sun 4/280 (under SunOS Release 4.0)	Motorola MVME165 (68040) (bare machine)
*Validated by Registration Verdix Corporation VADS Sun4 SunOS => 68k, VAda-110-40140, Version 6.0 (BASE #910517W1.11152)	Sun Microsystems Sun-4, SPARCserver & SPARCstation computer families (under SunOS 4.1)	Motorola MVME165 (68040) (bare machine)
Verdix Corporation VADS DEC-RISC => 88k, VAda-110-61680, Version 6.1 (#910517W1.11153)	DECstation 2100 (under ULTRIX V4.0)	Motorola MVME181 (bare machine)
*Validated by Registration Verdix Corporation VADS DEC-RISC => 68k, VAda-110-61680, Version 6.1 (BASE #910517W1.11153)	DEC DECstation & DECsystem computer families (under ULTRIX 4.0)	Motorola MVME181 (88000) (bare machine)
Verdix Corporation VADSworks Sun4 => 68k, VAda-115-40800, Version 2.0 (#910517W1.11154)	Sun 4/20 (under SunOS 4.1.1)	Motorola MVME147SA (bare machine, using vxWorks 5.0)
*Validated by Registration Verdix Corporation VADSworks Sun4 => 68k, VAda-115-40800, Version 2.0 (BASE #910517W1.11154)	Sun Microsystems Sun-4, SPARCserver & SPARCstation computer families (under SunOS 4.1)	Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 33, CPU 37, & Golden Triangle Firepower; General Micro Systems GMSV17 & GMSV37; Heurikon HK68/V20, /V2E, /V2F, /V2FA, /V30, /V30XE, /V3E, & /V3F; ironics IV-3201a, 3204a, 3220, & 3230; Matrix MS-CPU320; Mizar MZ7122 & MZ7124; Motorola MVME133 Series, MVME135, MVME135A, MVME141, MVME143, & MVME147; Radstone PME 68-25 & 68-31; SBE VLAN-e & VPU30; Sun Microsystems 3E; and Tadpole Technology TP32V-4MB (bare machines, using vxWorks 5.0)
Verdix Corporation VADS UNIX System V/486, SCO UNIX 3.2, VAda-110-3232, Version 6.0 (#910517W1.11155)	Zenith Z-486/25E (under SCO UNIX i386 release 3.2)	Same as Host
*Validated by Registration Verdix Corporation VADS UNIX System V/486, SCO UNIX 3.2, VAda-110-3232, Version 6.0 (BASE #910517W1.11155)	Zenith Z-486/33E (under SCO UNIX i386 release 3.2)	Same as Host
*Validated by Registration Verdix Corporation VADS 386/486 System V, Rel. 3.2, VAda-110-3232, Version 6.0 (BASE #910517W1.11155)	Any Computer System Comprising: cpu: any that executes the Intel 80386/i486 instruction set (under Any operating system compatible with Unix System V Release 3.2)	Same as Host
Verdix Corporation VADS Sun-4 SunOS => AMD 29K, 6.0 VAda-110-40525, Version 6.0 (#910517W1.11156)	Sun 4/280 (under SunOS 4.0.3)	Ironics IV9001 board (AMD 29000) (bare machine)
*Validated by Registration Verdix Corporation VADS Sun4 SunOS => AMD 29K, VAda-110-40525, Version 6.0 (BASE #910517W1.11156)	Sun Microsystems Sun-4, SPARCserver & SPARCstation computer families (under SunOS 4.1)	Ironics IV9001 board (AMD 29000) (bare machine)
Verdix Corporation VADS UNIX System V/486, SCO UNIX 3.2, VAda-110-3232, Version 6.1 (#910517W1.11157)	intel 402 (under SCO UNIX 3.2v2.e)	Same as Host
*Validated by Registration Verdix Corporation VADS 386/486 System V Rel. 3.2, VAda-110-3232, Version 6.1 (BASE #910517W1.11157)	Any Computer System Comprising: cpu: any that executes the intel 80386 /i486 instruction set (under Any operating system compatible with Unix System V Release 3.2)	Same as Host
Verdix Corporation VADS MIPS, VAda-110-6262, Version 6.1 (#910920W1.11200)	MIPS RC3230 (under RISC/os 4.52)	Same as Host
Verdix Corporation VADS VAX/VMS => 68040, VAda-110-03140, Version 6.0 (#910920W1.11201)	MicroVAX 3100 (under VMS 5.3)	Motorola MVME165 (68040) (bare machine)
*Validated by Registration Verdix Corporation VADS VAX/VMS => 68040, VAda-110-03140, Version 6.0 (BASE #910920W1.11201)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000, & VAX 9000 Series of computers (under VMS 5.3)	Motorola MVME165 (68040) (bare machine)
Verdix Corporation VADS IBM RS/6000 => MIPS R3000, VAda-110-71620, Version 6.1 (#910920W1.11202)	IBM RISC System/6000 Model 530 (under AIX 3.1)	IDT 7RS302 (R3000) (bare machine)
*Validated by Registration Verdix Corporation VADS IBM RS/6000 AIX 3.1, VAda-110-71620, Version 6.1 (BASE #910920W1.11202)	IBM RISC System/6000 Models 320, 520, 540, 730, & 930 (under AIX 3.1)	IDT 7RS302 (R3000) (bare machine)
Verdix Corporation VADS Sun-4 => MIPS R3000, VAda-110-40620, Version 6.1 (#910920W1.11205)	SPARCserver 490 (under SunOS Release 4.1)	LSI LR33000 Pocket Rocket Evaluation board (R3000) (bare machine)

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Verdix Corporation VADS Sun-4 => MIPS R3000, VAda-110-40620, Version 6.1 (BASE #910920W1.11205)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.1)	LSI LR33000 Pocket Rocket Evaluation board (R3000) (bare machine)
Verdix Corporation VADS Sun-4 SunOS => MC68000/10, VAda-110-40128, Version 6.0 (#910920W1.11206)	Sun-4/280 (under SunOS Release 4.0.3)	Motorola MVME101 (68000) with MVME222-1 memory board (bare machine)
*Validated by Registration Verdix Corporation VADS Sun4 => MC68000/10, VAda-110-40128, Version 6.0 (BASE #910920W1.11206)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.1)	Motorola MVME101 (68000) with MVME222-1 memory board (bare machine)
*Validated by Registration Verdix Corporation VADS Sun-4 => MC68000/10, SunOS 4.1, VAda-110-40128, Version 6.0 (BASE #910920W1.11206)	Sun Microsystems Sun-4, SPARCserver, SPARCstation, & SPARCengine computer families (under SunOS 4.1)	Motorola 68302, Philips-Signetics 68070, & Toshiba 68301 (bare machines)
Verdix Corporation VADS Sun-4 SunOS => CPU32, VAda-110-40150, Version 6.0 (#910920W1.11207)	Sun-4/280 (under SunOS Release 4.0.3)	Motorola CPU32 - M68332EVS Evaluation System (68332) (bare machine)
*Validated by Registration Verdix Corporation VADS Sun-4 SunOS => CPU32, VAda-110-40150, Version 6.0 (BASE #910920W1.11207)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.1)	Motorola CPU32 - M68332EVS Evaluation System (68332) (bare machine)
*Validated by Registration Verdix Corporation VADS Sun-4 SunOS => CPU32, VAda-110-40150, Version 6.0 (BASE #910920W1.11207)	Sun Microsystems Sun-4, SPARCserver, SPARCstation, & SPARCengine computer families (under SunOS 4.1)	Motorola CPU32-68331, -68333, & -68340 Evaluation Systems (bare machines)
Verdix Corporation VADS IBM PS/2, AIX 1.1, VAda-110-3535, Version 6.1 (#910920W1.11208)	IBM PS/2 Model 80 (under AIX 1.1)	Same as Host
Verdix Corporation VADS MIPS => MIPS R3000, VAda-110-62620, Version 6.1 (#910920W1.11209)	MIPS RC3230 (under RISC/os 4.52)	Lockheed Sanders STAR MVP (R3000) (bare machine)
Verdix Corporation VADS Sun-3 SunOS => 68020/30 ARTX, VAda-110-13120, Version 6.0 (#910920W1.11210)	Sun-3/280 (under SunOS Release 4.0)	Motorola MVME147 (68030) (bare machine)
*Validated by Registration Verdix Corporation VADS Sun3 SunOS => 68020/30 ARTX, VAda-110-13120, Version 6.0 (BASE #910920W1.11210)	Sun Microsystems Sun-3 computer family (under SunOS 4.1)	Cyclone CVME 44, 46, & 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37, & Golden Triangle Firepower; Heurikon HK68/V2E Series, /V2F Series, & /V30 Series; Integrated Solutions VME68K20, 68K30, 68225, & Liberator SBC; Matrix MS-CPU220, MS-CPU320; Mizar MZ7122, MZ7124, MZ7130, MZ8120, & MZ8130; Motorola MVME133 Series, MVME134, MVME135, MVME136, MVME141, MVME147 Series; Sun Microsystems 3E board set; and Tadpole Technology TP32V & TP32M (bare machines)
Verdix Corporation VADS Sun4 SunOS => 68020/30 ARTX, VAda-110-40120, Version 6.0 (#910920W1.11211)	SPARCstation 2 (under SunOS Release 4.1.1)	Motorola MVME147 (68030) (bare machine)
*Validated by Registration Verdix Corporation VADS Sun4 SunOS => 68020/30 ARTX, VAda-110-40120, Version 6.0 (BASE #910920W1.11211)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.1)	Motorola MVME147 (68030) (bare machine)
Verdix Corporation VADS IBM RISC System /6000 AIX => 68020/30 ARTX, VAda-110-71120, Version 6.0 (#910920W1.11212)	IBM RISC System/6000 Model 530 (under AIX 3.1)	Motorola MVME147 (68030) (bare machine)
*Validated by Registration Verdix Corporation VADS IBM RISC System/6000 AIX => 68020/30 ARTX, VAda-110-71120, Version 6.0 (BASE #910920W1.11212)	IBM RISC System/6000 Models 320, 520, 540, 730, & 930 (under AIX 3.1)	Motorola MVME147 (68030) (bare machine)
Verdix Corporation VADS SYSTEM V/860 RELEASE 4, VAda-110-9090, Version 6.1 (#910920W1.11213)	Okidata I860 Workstation (under UNIX SYSTEM V/860 RELEASE 4 v1.0)	Same as Host
Verdix Corporation VADS VMS => AMD29000, VAda-110-03525, Version 6.04 (#910920W1.11214)	MicroVAX 3600 (under VMS 5.2)	Ironics IV9001 board (AMD 29000) (Am29000 bare VME machine)
*Validated by Registration Verdix Corporation VADS VAX VMS => AMD 29K, VAda-110-03525, Version 6.04 (BASE #910920W1.11214)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000, & VAX 9000 Series of computers (under VMS 5.3)	Ironics IV9001 board (AMD 29000) (Am29000 bare VME machine)
Verdix Corporation VADS Sun-3 SunOS => AMD 29K,VAda-110-13525, Version 6.04 (#910920W1.11215)	Sun-3/180 (under SunOS 4.1.1)	Ironics IV9001 board (AMD 29000) (Am29000 bare VME machine)

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Verdix Corporation VADS Sun-3 SunOS => AMD 29K, VAda-110-13525, Version 6.04 (BASE #910920W1.11215)	Sun Microsystems Sun-3 computer family (under SunOS 4.1)	ironics IV9001 board (AMD 29000) (Am29000 bare VME machine)
Verdix Corporation VADS AT&T 3B2/600GR UNIX System V, Release 4.0, VAda-110-6363, Version 6.1 (#920513W1.11252)	AT&T 3B2/600GR (under UNIX System V, Release 4.0)	Same as Host
Verdix Corporation VADS IBM RISC System /6000 => IBM RISC System/6000, VAda-110-71710, Version 6.2 (#920513W1.11253)	IBM RISC System/6000 Model 530 (under AIX 3.2)	IBM RISC System/6000 Model 320 (bare machine)
Verdix Corporation VADS BCS => 88K, VAda-110-80680, Version 6.1 (#920513W1.11254)	Motorola 88000 Delta (under R32V3 920117)	Motorola MVME187 (88000) (bare machine)
Verdix Corporation VADSworks Sun4 => 68K, VAda-115-40800, Version 2.0 (#920513W1.11256)	Sun-4/20 (under SunOS, 4.1.1)	Motorola MVME167A (68040) (bare machine, using VxWorks 5.0)
Verdix Corporation VADSworks Sun4 => SPARC, VAda-115-40850, Version 2.0 (#920513W1.11257)	Sun-4/20 (under SunOS, 4.1.1)	Sun SPARCengine 1e (bare machine, using VxWorks v5.0)
Verdix Corporation VADS Sun SPARC => 386, VAda-110-40315, Version 6.2 (#920513W1.11258)	Sun-4/260 (under SunOS, Version 4.1.2)	Intel iSBC 386/20p (bare machine)
*Validated by Registration Verdix Corporation VADS Sun SPARC => 386/486, VAda-110-40315, Version 6.2 under SunOS4.x (BASE #920513W1.11258)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.1 & 4.2)	Any single-board computer that executes the Intel 80386 or i486 instruction set (bare machine)
Verdix Corporation VADSworks DEC-RISC=>MIPS R3000, VAda-115-61640, Version 2.0 (#921004W1.11277)	DECstation 5000/200 (under Ultrix V4.1)	Lockheed Sanders STAR MVP board (bare machine, using vxWorks 5.0)
Verdix Corporation VADS IBM RISC System /6000, VAda-110-7171, Version 6.2 (#921004W1.11276)	IBM RISC System/6000 model 220 (under AIX 3.2)	Same as Host
Verdix Corporation VADS IBM RISC System /6000, VAda-110-7171, Version 6.2 (#921004W1.11279)	IBM RISC System/6000 model 530H (under AIX 3.2)	Same as Host
Verdix Corporation VADS System V/386/486, VAda-110-3232, Version 6.1 (#921004W1.11280)	ASL 486/33 (under UNIX	Same as Host System V, Release 3.2)
Verdix Corporation VADS System V/386/486, VAda-110-3232, Version 6.1 (#921004W1.11281)	AST Premium 486 (under UNIX	Same as Host System V, Release 4.0)
Verdix Corporation VADS System V/386/486, VAda-110-3232, Version 6.1 (#921004W1.11282)	NCR model 3450 (under NCR	Same as Host UNIX SVR4 MP-RAS Release 2)
Verdix Corporation VADS System V/386/486, VAda-110-3232, Version 6.1 (#921004W1.11283)	NCR model 3550 (under NCR	Same as Host UNIX SVR4 MP-RAS Release 2)
Verdix Corporation VADS Sun SPARC Solaris 2.1, VAda-110-4040, Version 6.2 (#921004W1.11284)	RDI Britelite IPX Laptop (under Solaris 2.1)	Same as Host
Verdix Corporation VADS Sun-4 Solaris 2.1, VAda-110-4040, Version 6.2 (#921004W1.11285)	SPARCstation LX 4/30 (under Solaris 2.1)	Same as Host
*Validated by Registration Verdix Corporation SPARCompiler Ada Porting Kit, Version 2.0 (BASE #921004W1.11285)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer families (under Solaris 2.1)	Any Host
*Validated by Registration Verdix Corporation SPARCworks Professional Ada, Version 2.0 (BASE #921004W1.11285)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer families (under Solaris 2.1 & 2.2)	Any Host
Verdix Corporation VADS Sun SPARC Solaris 2.1, VAda-110-4040, Version 6.2 (#921004W1.11286)	SPARCstation 10 model 30	Same as Host (under Solaris 2.1)
Verdix Corporation VADS Sun SPARC Solaris 2.1, VAda-110-4040, Version 6.2 (#921004W1.11287)	SPARCstation 10 model 41 (under Solaris 2.1)	Same as Host
Verdix Corporation VADS Sun SPARC Solaris 2.1, VAda-110-4040, Version 6.2 (#921004W1.11288)	SPARCstation 10 model 42 (under Solaris 2.1)	Same as Host

Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Verdix Corporation VADS Sun SPARC Solaris 2.1, VAda-110-4040, Version 6.2 (#921004W1.11289)	Sun SPARCserver 690 (under Solaris 2.1)	Same as Host
Verdix Corporation VADS MP Sun SPARC Solaris 2.1, VAda-110-4141, Version 6.2 (#921004W1.11290)	Sun SPARCserver 690 (under Solaris 2.1)	Same as Host
Verdix Corporation VADS Silicon Graphics Self, VAda-110-6464, Version 6.2 (#921004W1.11291)	Silicon Graphics IRIS 4D/440 (under IRIX 4.0.1)	Same as Host
Verdix Corporation VADS MP Silicon Graphics, VAda-110-6565, Version 6.2 (#921004W1.11292)	Silicon Graphics IRIS 4D/440 (under IRIX 4.0.1)	Same as Host
Verdix Corporation VADSself HP 9000 series 700 VAda-110-7675, Version 6.2 (#930226W1.[illegible])	HP 9000/720 (under HP-UX 8.0.7)	Same as Host
Verdix Corporation VADSworks S[illegible] => MIPS R3000 VAda-115-4[illegible] Version 2.0 (#930226W1.11312)	Sun-4/20 (under SunOS Release 4.1.1) vxWorks 5.0)	Heurikon HKMIPS/3500 (R3000) board (bare machine, using
Wang Laboratories, Inc. Wang VS Ada Version 5.00.00 (#901129W1.11093)	Wang VS 8480 (under Wang VSOS 7.30.02)	Same as Host
*Validated by Registration Wang Laboratories, Inc. Wang VS Ada Version 5.00.00 (BASE #901129W1.11093)	Wang VS Models: 100 & 300; 5430, 5440, 5450 & 5460; 7010, 7110, 7120, 7150 & 7310; 8220, 8230, 8260, 8430, 8460, 8470 & 8480; and 10050, 10075 & 10100 (under all VS OS versions 7.21.xx & 7.30.xx)	Same as Host
York Software Engineering Limited York Ada Compiler Environment (ACE) Release 5 (#901127N1.11073)	Intergraph InterPro 3050 Workstation (under CLIX R3.1)	Same as Host
*Validated by Registration York Software Engineering Limited York Ada Compiler Environment (ACE) Release 5 (BASE #901127N1.11073)	Intergraph Mobile GIS/C2 (under CLIX Release 3.1)	Same as Host
*Validated by Registration York Software Engineering Limited York Ada Compiler Environment (ACE) Release 5 (BASE #901127N1.11073)	InterPro 125, 225, 340, 360, 2020, 3070, 6040, 6240, 6080 & 6280 (under CLIX Release 3.1)	Any Host
*Validated by Registration York Software Engineering Limited York Ada Compiler Environment (ACE) Release 5 (BASE #901127N1.11073)	InterView 220 & 3050 (under CLIX Release 3.1)	Any Host
*Validated by Registration York Software Engineering Limited York Ada Compiler Environment (ACE) Release 5 (BASE #901127N1.11073)	InterAct 220, 2020, 3050, 6040, 6080, 6240 & 6280 (under CLIX Release 3.1)	Any Host
*Validated by Registration York Software Engineering Limited York Ada Compiler Environment (ACE) Release 5 (BASE #901127N1.11073)	InterServe 200, 300, 2000, 3000, 4200, 5200, 6000, 6105 & 6505 (under CLIX Release 3.1)	Any Host
*Validated by Registration York Software Engineering Limited York Ada Compiler Environment (ACE) Release 5 (BASE #901127N1.11073)	Intergraph Series 240[illegible] 6400—all models that use the C400 chip (under CLIX Release 3.1)	Any Host

2.7.4 PASCAL PROCESSORS

VENDOR	PROCESSOR ID *VSR # & LEVEL*	HARDWARE & *OPERATING SYSTEM*	EXPIRY DATE	OTHER ENVIRONMENTS HW/*OS*
Bull S.A.	BOS/X Pascal Compiler Version 1.1 PCVS/0004/F	DPX/20 *BOS/X, Version 3.2*	12/1/93	DPX/20 100, 400, 600, 800 *BOS/X Version 3.2*
	Pascal SXL-3002 Version 01.01 *PCVS/0005/F*	DPX/2 250 *BOS, Version 2.1*	4/1/94	DPX/2 200 and 300 *BOS Version 2.1*
Digital Equipment Corporation	VAX Pascal, Version 4.4 *NIST-92/2249* Level 0/1	VAX 3100 Model 76 *VAX/VMS Version 5.5*	12/1/93	VAX 4000 Mod 200 300; 6000 Mod 200 300 400 500; 8200 8250 8300 8350 85xx 8600 8650 8700 8800 8810 8820 8830 8840; 9000 Mod 210 400; VAXft 3000-310; VAX11/730 /750/780/785; MicroVAX II 2000 3100 3300 3400 3500 3600 3800 3900; VAXstation II 2000 3100 3200 3500 3520 3540; VAXserver 3100 3300 3400 3500 3600 3602 3800 3900 4000 Mod 200 300; 6000 Mod 210/220 310/320 410/420 510/520 *VMS Version 5.5*
	DEC Pascal for OpenVMS VAX Version 5.0 *NIST-93/1762* Level 0/1 (Switchable)	VAXstation 3100 Model 70 *OpenVMS VAX Version 5.5*	8/1/94	VAXft 3000 Models 110, 310, 410, 610, 612 VAX-11 /730, /750, /780, /785 MicroVAX II; 2000; 3100 Models 10, 10E, 20, 20E, 30, 40, 80, 90; 3200; 3300; 3400; 3500; 3600; 3800; 3900 VAXstation II; II/GPX; II/QVSS; 2000; 2000/GPX, 2000/MFB; 3100 Models 30, 38, 40, 48, 76; 3100/GPX Models 38, 48, 76; 3100/SPX Models 38, 48, 76; 3200; 3500; 3520; 3540; 4000-VLC; 4000 Models 60, 90 VAXserver 3100 Models 10, 10E, 20, 20E; 3200; 3300; 3400; 3500; 3600; 3800; 3900; 4000 Models 200, 300, 400, 500, 600; 6000 Models 210, 220, 310, 320, 410, 420, 510, 520 VAX 4000 Models 100, 200, 300, 500, 600; 6000 Models 210, 220, 230, 240, 310, 320, 330, 340, 360, 410, 420, 430, 440, 450, 460, 510, 520, 530, 540, 550, 560, 610, 620, 630, 640; 7000 Models 610, 620, 630, 640, 650, 660; 8200; 8250; 8300; 8350; 8530; 8550; 8600; 8650; 8700; 8800; 8810; 8820; 8830; 8840; 9000 Models 110, 110VP, 210, 210VP, 310, 310VP, 320, 320VP, 330, 330VP, 340, 340VP, 410, 410VP, 420, 420VP, 430, 430VP, 440, 440VP; 10000 Models 610, 620, 630, 640, 650, 660 VAXserver 8200, 8250, 8300, 8350, 8530, 8550, 8600, 8650, 8700, 8800, 8810, 8820, 8830, 8840 *OpenVMS VAX, Version 5.5*

PASCAL PROCESSORS, *Continued*

VENDOR	PROCESSOR ID *VSR # & LEVEL*	HARDWARE & *OPERATING SYSTEM*	EXPIRY DATE	OTHER ENVIRONMENTS HW/*OS*
	DEC Pascal for RISC OSF Version 1.2 *NIST-92/2248* Level 0/1	DECstation 5000-125 *OSF/1 Version 1.0*	12/1/93	DECstation 2100, 3100, 3100s; 5000-120/125; 5000 models 200, 200CX, 200PX, 200 PXG, 200PXG TURBO; DECsystem 3100, 5000 models 200, 5100, 5400, 5500, 5820, 5830, 5840 *OSF/1* Version 1.0
	DEC Pascal for RISC Version 1.2 *NIST-92/2247* Level 0/1	DECstation 5000 Model 200 *ULTRIX Version 4.2*	12/1/93	DECstations 130; 2100, 3100, 3100s, 5000-120/125, 5000-200, 200CX, 200PX, 200PXG, 200PXG TURBO DECsystems 3100, 5000-200, 5100, 5400, 5500, 5810, 5820, 5830, 5840 *ULTRIX Version 4.2 & 4.2*
	DEC Pascal for DEC OSF/1 AXP Systems, Version 5.0 *NIST-93/1763* Level 0/1 (Switchable)	DEC 3000 Model 500 *DEC OSF/1 AXP Version 1.2*	8/1/94	DEC 10000, DEC 7000, DEC 4000, DEC 3000, DEC 2000, DEC 1000 *DEC OSF/1 AXP Version 1.2*
	DEC Pascal for OpenVMS AXP Version 5.0 *NIST-93/1764* Level 0/1 (Switchable)	DEC 3000 Model 500 *OpenVMS AXP Version 1.5*	8/1/94	DEC 10000, DEC 7000, DEC 4000, DEC 3000, DEC 2000, DEC 1000 *OpenVMS AXP Version 1.5*
IBM Canada LTD	IBM AIX XL Pascal Compiler/6000 Version 1 Release 1 *NIST-93/1462* Level 5.4	IBM RISC System/6000 POWERstation POWERserver 560 *IBM AIX for IBM RISC System/6000, Version 3 Release 2*	4/1/94	IBM RISC System/6000 POWERstation/ POWERserver Models 220, 22W, 22G, 340, 350, 550, 560, 580, 970, 980 *AIX for RISC System/6000 Version 3 Release 2*
Intergraph Corporation	Pascal-CLIPPER Version 1.8.4B *NIST-93/1042* Level 0	CLIPPER IS4000 *CLIX Version 6.5*	12/1/93	CLIPPER C300 and C400 *CLIX Version 6.5*

2.7.5 C PROCESSORS

VENDOR	PROCESSOR ID *VSR # & LEVEL*	HARDWARE & *OPERATING SYSTEM*	EXPIRY DATE	OTHER ENVIRONMENTS *HW/OS*
Amdahl Corporation	Amdahl C Version 1 Release 2 *NIST-92/2083*	Amdahl 5990 *MLS Version 2 Release 1.4*	12/1/93	Amdahl 5995-1400, 5995M, 5890 *MLS Version 2 Release 1.4*
Cray Research Inc.	Cray Standard C Compiler Release 3.0.4 *NIST-92/2301*	Cray2/4-128 *UNICOS Release 6.1.6*	12/1/93	Cray2 *UNICOS Release 6.1.6*
	Cray Standard C Compiler Release 3.0.4 *NIST-92/2302*	Cray Y-MP 8I/8128 *UNICOS Release 6.1.6*	12/1/93	Cray Y-MP *UNICOS Release 6.1.6*
	Cray Standard C Compiler Release 3.0.4 *NIST-92/2303*	Cray Y-MP C90 *UNICOS Release 7C*	12/1/93	
Control Data	ANSI C Version 3.11 *NIST-93/1103*	Control Data 4680 *EP/IX Version 2.1.1*	2/1/94	Control Data 4000 *EP/IX Version 2.1.1*
	C/V2 Version 2.5 *NIST-93/1104*	CYBER 180-932 *NOS/VE Version 1.7.1 Level 803*	2/1/94	CYBER 180, 200 *NOS/VE Version 1.7.1 Level 803*
Digital Equipment Corporation	DEC OSF/1 for AXP C Compiler Version 1 *NIST-93/1313*	DEC/3000 Model 400 AXP *DEC OSF/1 AXP, Version 1.2*	3/1/94	DEC/10000, /7000, /4000, /3000, /2000, /1000 *DEC OSF/1 AXP, Version 1.2*
	DEC C Version 1.3 for OpenVMS AXP Systems *NIST-93/1314*	DEC/3000 Model 400 *OpenVMS AXP, Version 1.5*	3/1/94	DEC/10000, DEC/7000, DEC/4000, DEC/3000, DEC/2000, DEC/1000 *OpenVMS AXP, Version 1.5*
	DEC C Version 1.3 for OpenVMS VAX Systems *NIST-93/1315*	VAXstation 4000, Model 60 *OpenVMS VAX, Version 5.5*	3/1/94	VAX 4000 Models 200, 300; VAX 6000 Models 200, 300, 400, 500; VAX 8200, 8250, 8300, 8350, 85xx, 8600, 8650, 8700, 8800, 8810, 8820, 8830, 8840; VAX 9000 Models 210, 400; VAXft 3000 Model 310; VAX11/730, VAX11/750, VAX11/780, VAX11/785; MicroVAX's II, 2000, 3100, 3300, 3400, 3500, 3600, 3800, 3900; VAXstation's II, 2000, 3100, 3200, 3500, 3520, 3540; VAXservers 3100, 3300, 3400, 3500, 3600, 3602, 3800, 3900, 4000 Models 200, 300, VAXserver 6000 Models 210/220, 310/320, 410/420, 510/520 *OpenVMS VAX, Version 5.5*

C PROCESSORS, *Continued*

VENDOR	PROCESSOR ID *VSR # & LEVEL*	HARDWARE & *OPERATING SYSTEM*	EXPIRY DATE	OTHER ENVIRONMENTS HW/*OS*
	DEC C for OpenVMS VAX Version 1.3 *NIST-93/1765*	VAXstation 3100 Model 48 *OpenVMS VAX, Version 6.0*	8/1/94	VAXft 3000 Models 110, 310, 410, 610, 612 VAX-11 /730, /750, /780, /785 MicroVAX II; 2000; 3100 Models 10, 10E, 20, 20E, 30, 40, 80, 90; 3200; 3300; 3400; 3500; 3600; 3800; 3900 VAXstation II; II/GPX; II/QVSS; 2000; 2000/GPX, 2000/MFB; 3100 Models 30, 38, 40, 48, 76; 3100/GPX Models 38, 48, 76; 3100/SPX Models 38, 48, 76; 3200; 3500; 3520; 3540; 4000-VLC; 4000 Models 60, 90 VAXserver 3100 Models 10, 10E, 20, 20E; 3200; 3300; 3400; 3500; 3600; 3800; 3900; 4000 Models 200, 300, 400, 500, 600; 6000 Models 210, 220, 310, 320, 410, 420, 510, 520 VAX 4000 Models 100, 200, 300, 500, 600; 6000 Models 210, 220, 230, 240, 310, 320, 330, 340, 360, 410, 420, 430, 440, 450, 460, 510, 520, 530, 540, 550, 560, 610, 620, 630, 640; 7000 Models 610, 620, 630, 640, 650, 660; 8200; 8250; 8300; 8350; 8530; 8550; 8600; 8650; 8700; 8800; 8810; 8820; 8830; 8840; 9000 Models 110, 110VP, 210, 210VP, 310, 310VP, 320, 320VP, 330, 330VP, 340, 340VP, 410, 410VP, 420, 420VP, 430, 430VP, 440, 440VP; 10000 Models 610, 620, 630, 640, 650, 660 VAXserver 8200, 8250, 8300, 8350, 8530, 8550, 8600, 8650, 8700, 8800, 8810, 8820, 8830, 8840 *OpenVMS VAX, Version 6.0*
Hewlett-Packard Company	HP C/HP-UX Version A.09.26 *NIST-93/1151*	HP9000 Series 720 *HP-UX Version A.09.00*	1/1/94	HP9000 808, 815, 822, 825, 832, 835, 842, 850, 852, 855, 860, 865; 870/100 /200 /300 /400; 890/1 /2 /3 /4; 807, 817, 827, 837, 847, 857, 867, 877, 887, 897, 635, 645, F10, F20, F30, G30, G40, G50, H20, H30, H40, H50, I30, 710, 705, 715, 725, 735, 755, 745i, 747i, 750 *HP-UX Version A.09.00*
	HP C/HP-UX Version B.08.35 *NIST-93/1152*	HP9000 Series 42S *HP-UX Version B.09.00*	1/1/94	HP9000 425e, 425t, 425s, 433, 382, 380 *HP-UX Version B.09.00*
	HP C/HP-UX Version A.08.25 *NIST-93/1154*	HP9000 Series 827 *HP-UX Version 8.02*	1/1/94	

C PROCESSORS, *Continued*

VENDOR	PROCESSOR ID *VSR # & LEVEL*	HARDWARE & *OPERATING SYSTEM*	EXPIRY DATE	OTHER ENVIRONMENTS HW/*OS*
	HP C/iX Version A.04.51 *NIST-93/1153*	HP3000 Series 927LX *MPE/iX Version 4.5*	1/1/94	HP3000 917LX, 927LX, 937LX, 947LX, 957LX, 967LX, 977SX, 987SX, 990; 992/100 /200 /300 /400; 937RX, 947RX, 957RX, 967RX, 937SX, 947SX, 957SX, 967SX *MPE/iX Version 4.5*
IBM Canada Ltd.	IBM SAA C/400 Version 2 Release 2 *NIST-92/2091*	AS/400 D80 *OS/400, Version 2 Release 2*	11/1/93	9402 System Models D02, E02, C04, D04, E04, C06, D06, E06; 9404 System Models B10, C10, D10, E10, B20, C20, D20, E20, C25, D25, E25; 9406 System Models B35, B40, B45, B50, B60, B70, D35, D45, D50, D60, D70, D80, E35, E45, E50, E60, E70, E80, E90, E95 *OS/400 Version 2 Release 2*
	C/370 Compiler Version 2 Release 1 *NIST-93/1051*	ES/9000 *MVS/ESA SP Version 4 Release 2*	1/1/94	3090, 308X, 43XX, 937X *MVS/ESA SP Version 4 Release 2*
	C/370 Compiler Version 2 Release 1 *NIST-93/1052*	ES/9000 *VM/ESA Version 1 Release 1.1*	1/1/94	3090, 308X, 43XX, 937X *VM/ESA Version 1 Release 1.1*
	C/370 Compiler Version 2 Release 1 *NIST-93/1053*	ES/9000 *VM/SP Version 1 Release 6*	1/1/94	3090, 308X, 43XX, 937X *VM/SP Version 1 Release 6*
	C/370 Compiler Version 2 Release 1 *NIST-93/1054*	ES/9000 *VM/XA SP Version 1 Release 2*	1/1/94	3090, 308X, 43XX, 937X *VM/XA SP Version 1 Release 2*
	SAA AD/CYCLE C/400 Version 1 Release 1.1 *NIST-93/1055*	ES/9000 *MVS/ESA SP Version 4 Release 2*	1/1/94	3909, 908X, 43XX, 937X *MVS/ESA SP Version 4, Release 2*
	XL C Compiler Version 1 Release 2 *NIST-93/1056*	IBM RISC 6000 Model 220 *AIX for RISC 6000 Version 3 Release 2*	1/1/94	IBM RISC 6000 POWERstation/ POWERservers 320, 320H, 340, 350, 520, 520H, 530, 530H, 540, 550, 560, 580; POWER-server(s) 730, 930, 950, 970, 980 *AIX for RISC 6000 Version 3 Release 2*
	XL C Compiler Version 1 Release 2 *NIST-93/1057*	IBM RISC 6000 Model 530H *AIX for RISC 6000 Version 3 Release 2*	1/1/94	IBM RISC 6000 POWERstation/ POWERservers 220, 320, 320H, 340, 350, 520, 520H, 530, 540, 550, 560, 580; POWER-server(s) 730, 930, 950, 970, 980 *AIX for RISC 6000 Version 3 Release 2*

C PROCESSORS, *Continued*

VENDOR	PROCESSOR ID *VSR # & LEVEL*	HARDWARE & *OPERATING SYSTEM*	EXPIRY DATE	OTHER ENVIRONMENTS HW/*OS*
	IBM C/C++TOOLS, Version 2 Release 0 *NIST-93/1461*	IBM PS/2 486 Model 70 *OS/2 Version 2 Release 0*	4/1/94	IBM PS/1 2133 386SX/25, 486SX /20, 486DX/20, 486DX/40; 2155 386SX/25, 486SX/20, 486DX/20, 486DX/33, 486DX/40 IBM PS/2 8540 386SX/20, 8543 386SX/20, 8555 386SX/16, 8556 386SX/20, 386SLC/20, 8557 386SX/20, 386SLC/20, 8565 386SX/16, 8570 386DX/16-25, 486DX/25, 8573 386DX/16-20, 8575 486DX/33, IBM PS/2 8580 386DX/20-25, 8590 486SX/25, 486DX/25-33, 486DX2/50-66, 8595 486SX/25, 486DX/25-33, 486DX2/50-66, 9556 486SLC2, 9557 486SLC2, 9576 486SX, 486DX2, 9577 486SX, 486DX2, 9585 486SX, 486DX2, 9595 486DX, 486DX2, 295 486DX; IBM PS/ThinkPad N45SL 386SL, N51SX 386SX, N51SLC 386SLC, CL57SX 386SX, 300 386SL, 700 486SLC, 700C 486SLC, IBM PS/ ValuePoint 325T, 425SX, 433DX, 466DX2 *OS/2 Version 3 Release 0*
	XL C Compiler Version 1.3 *NIST-93/1961*	RISC System/6000 Model 530 *AIX Version 3.2*	10/1/94	
	C Set ++ for AIX Version 2.1 *NIST-93/1962*	RISC System/6000 Model 530 *AIX Version 3.2*	10/1/94	
Intergraph Corporation	Clipper Advanced Optimizing C Version 1.57 *NIST-93/1043*	Clipper AS4000 *CLIX Version 6.5*	12/1/93	Clipper C3000 and C4000 *CLIX Version 6.5*
Microsoft Corporation	Microsoft C/C++ Optimizing Compiler Version 8.00 Release Microsoft Visual C++ 1.0 *NIST-93/1881*	IBM PS/2 Model 70/486 DX *MS-DOS 6.0/Microsoft Windows 3.1*	9/1/94	IBM PS/2 486DX, IBM PS/2 486SX, IBM PS/2 386DX, IBM PS/2 386SX *MS-DOS 6.0/Microsoft Windows 3.1*
	Microsoft C/C++ Optimizing Compiler Version 8.00 *NIST-93/1882*	Compaq 486/33M DX *MS-DOS 6.0/Microsoft Windows 3.1*	9/1/94	Compaq 486DX, Compaq 486SX, Compaq 386DX, Compaq 386SX *MS-DOS 6.0/Microsoft Windows 3.1*
	Microsoft C/C++ Optimizing Compiler Version 8.00 *NIST-93/1883*	Zenith 486/33E DX *MS-DOS 6.0/Microsoft Windows 3.1*	9/1/94	Zenith 486DX, Zenith 486SX, Zenith 386DX, Zenith 386SX *MS-DOS 6.0/Microsoft Windows 3.1*

C PROCESSORS, *Continued*

VENDOR	PROCESSOR ID *VSR # & LEVEL*	HARDWARE & *OPERATING SYSTEM*	EXPIRY DATE	OTHER ENVIRONMENTS *HW/OS*
NCR Corporation	NCR C Development Toolkit Release 2 *NIST-92/2321*	NCR System 3000 Model 3550 *NCR UNIX SVR4 MP-RAS Release 2*	1/1/94	NCR System 3000 Models 3345, 3445, 3447 *NCR UNIX SVR4 MP-RAS Release 2*
	NCR C Development Toolkit Release 2 *NIST-92/2322*	NCR System 3000 Model 3450 *NCR UNIX SVR4 MP-RAS Release 2*	1/1/94	NCR System 3000 Models 3335, 3350, 3355, 3360 *NCR UNIX SVR4 MP-RAS Release 2*
Pyramid Technology Corp.	DC/OSx ANSI C, Version 1.1 Release 92c06x *NIST-93/1341*	MISserver-S *DC/OSx Version 1.1 Release 92c06x*	5/1/94	MISserver-ES *DC/OSx Version 1.1 Release 92c06X*
Sequent Computer Systems, Inc.	ptx/C Version 2 Release 0 *NIST-92/2142*	S2000/250 *DYNIX/ptx Version 2 Release 0*	10/1/93	S2000/450, S2000/750 *DYNIX/ptx Version 2 Release 0*
Silicon Graphics Computer Systems	ANSI C Version 3.11 *NIST-93/1161*	M/120 *RISC/OS Release 5.01*	4/1/94	M/800, M/1000, RS3260, RC3240, RC2030, RS2030, RC4230, RS4230, RC6280 *RISC/OS Release 5.01*
	C Release 4.0 *NIST-93/1162*	IRIS 4D/25 *IRIX Release 5.0*	4/1/94	Personal IRIS, IRIS, IRIS 4D/50, 4D/70, 4D/120, 4D/220, 4D/280 *IRIX Release 5.0*
SUNPRO - A Sun Microsystems, Inc. Business	SPARCompiler C Version 2.0.1 *NIST-92/2331*	SPARCstation 4/30 *Solaris Version 2.1*	1/1/94	
	SPARCompiler C Version 2.0.1 *NIST-92/2332*	SPARCstation 10 model 30 *Solaris Version 2.1*	1/1/94	
	SPARCompiler C Version 2.0.1 *NIST-92/2333*	SPARCstation 10 model 41 *Solaris Version 2.1*	1/1/94	
	SPARCompiler C Version 2.0.1 *NIST-92/2334*	SPARCstation 10 model 42 *Solaris Version 2.1*	1/1/94	
	SPARCompiler C Version 2.0.1 *NIST-92/2335*	RDI BriteLite *Solaris Version 2.1*	1/1/94	
	Interactive Unix Software Development System ANSI C Version 3 *NIST-92/2336*	Alpha Systems Lab PC model ASL 486/33 *Sun Interactve Unix Version 3.2 Release 3.0.1*	1/1/94	
	ProCompiler C Version 2.0.1 *NIST-93/1902*	DELL Model 433DE *Solaris Version 2.1 Release X86*	8/1/94	

C PROCESSORS, *Continued*

VENDOR	PROCESSOR ID *VSR #* & LEVEL	HARDWARE & *OPERATING SYSTEM*	EXPIRY DATE	OTHER ENVIRONMENTS HW/*OS*
Tandem Computers Incorporated	C Version D20 Release D20 *NIST-93/2041*	NonStop VLX *NonStop Kernel Version D20 Release D20*	10/1/94	

2.7.6 MUMPS PROCESSORS

VENDOR	PROCESSOR ID *& VSR #*	HARDWARE & *OPERATING SYSTEM*	EXPIRY DATE	LEVEL	OTHER ENVIRONMENTS HW/*OS*

No entries at this time.

2.8 LANGUAGE PROCESSORS WITH REGISTERED REPORTS ONLY

2.8.1 COBOL PROCESSORS WITH NONCONFORMITIES

VENDOR	PROCESSOR ID *& VSR #*	HARDWARE & *OPERATING SYSTEM*	EXPIRY DATE	SUBSET	OTHER ENVIRONMENTS HW/*OS*
Amdahl Corporation	Amdahl COBOL, Version 1 Release 3 *NIST-92/2081*	Amdahl 5990 *MSL Version 2 Release 1.4*	12/1/93	High	Amdahl 5995-1400, 5995M, 5890 *MSL Version 2, Release 1.4*
Digital Equipment Corporation	DEC COBOL Version 1 for OpenVMS AXP Systems *NIST-93/1311*	DEC 3000 Model 500 AXP *OpenVMS AXP Version 1.0*	3/1/94	High	DEC/10000, DEC/7000, DEC/4000, DEC/3000, DEC/2000, DEC/1000 *OpenVMS AXP, Version 1.0*
Wang Laboratories, Inc.	VS COBOL 85 Version 2.12.01 *NIST-92/2281*	WANG VS 300 *VS OS Version 7.40.00*	12/1/93	High	VS 5, 6, 15, 25, 45, 65, 85, 90, 100, 300; 5000, 7000, 8000, 10000 *VS OS Version 7.20.00* - 7.40.00 VS 300; 7000, 8000, 10000 *VS OS Version 7.30.00 - 7.40.00*

3. DATABASE LANGUAGE (SQL)

3.1 FIPS Database Language Standards

As specified by the FIPS, FIRMR and the associated Federal ADP and Telecommunications Standards Index, Federal agencies, when acquiring SQL processors, are responsible for assuring that processors are in accordance with FIPS PUB 127-1, Database Language SQL.

3.2 Organization of Database Language Processor Entries

Each entry in the VPL is a very limited extract from the Validation Summary Report (VSR) available from NIST. See 3.4 and 3.5 below.

The entries in the VPL for database language processors are presented as follows:

- The VENDOR ID column contains the name of the Vendor of the processor.

- The PROCESSOR ID column contains the name of the processor, its version number, the VSR number, and the Expiry date of the Validation Certificate or the Registered VSR. The term "Pre-release" means that the vendor has designated the SQL processor as "not commercially available" at the time of validation. The product is listed to assist users in planning for future procurements. As of July 1993, VSRs with nonconformities have VSR numbers prefaced with NC/; for example NC/NIST-93/nnnn reflects nonconformities to FIPS PUB 127-1 while NIST-93/nnnn reflects full conformance to FIPS PUB 127-1.

- The INTERFACES & COMPILERS column contains the names of associated interactive SQL or programming language interfaces, and identification of the programming language compilers that interface with the SQL processor. A listing in the COMPILERS column is not an indication that the compiler has been validated for the applicable programming language standard. See the preceding "Programming Languages" Section for a list of validated compilers.

- The HARDWARE & OPERATING SYSTEM column presents the hardware and operating system environment used during the validation.

- The entries in the OTHER HW/SW ENVIRONMENTS column include other hardware and operating system environments in which the processor operates, and the programming language compilers that interface with the SQL processor. The listings of the compilers and operating systems may contain a range of versions that are supported. Rebadged or renamed software will also be listed in this column.

- The NONCONFORMITIES column lists the number and type of nonconformities. If a product supports both module language and embedded interfaces for a given programming language, then the programming language will be preceded by "Embedded" or "Module," as appropriate. Schema nonconformities are deficiencies in support for standard schema definition language constructs. "FIPS Flagger" in this column indicates that the mandatory FIPS Flagger requirement of FIPS 127-1 was not implemented. "IEF" nonconformities are deficiencies in the optional "Integrity Enhancement Feature" of FIPS 127-1. "Sizing" designates failure to support default minimum "Sizing for Database Constructs" specified under "Special Procurement Considerations" of FIPS 127-1. "Interactive" errors are deficiencies in the "Interactive SQL" interface defined in the "Special Procurement Considerations" section of FIPS 127-1. Refer to VSR for details. The number of nonconformities is only one limited measure of the quality of an SQL interface. It is more important to analyze the nature of each individual nonconformity and its impact on meeting user requirements.

3.3 Validation Requirements

The requirements for validation of database language processors are the same as those for programming language processors, listed in section 2.3.1. Possible exceptions to section 2.3.1 may be found in the Database Language SQL Validation Procedures.

3.4 Certificate of Validation

A Certificate of Validation is issued for those SQL processors that have been tested and are considered to be in compliance with FIPS as specified by the FIPS, by the FIRMR, and the associated Federal ADP and Telecommunications Standards Index.

3.5 Registered Report

A Validation Summary Report (VSR) that indicates that the SQL processors did not meet the criteria for a Certificate of Validation may be registered by the Computer Systems Laboratory. A VSR is considered registered by CSL when it contains a signed notice that the VSR will be listed in the CSL Validated Products List (VPL) (for an example, see Appendix D of Compiler Validation Procedures, January 15, 1993). VSRs are available from the Software Standards Validation Group address below.

3.6 Validation Procedures

SQL processors are tested in accordance with the procedures described in the NIST Database Language SQL Validation Procedures. To request a copy of the validation procedures and/or to request the validation of an SQL processor, contact:

National Institute of Standards and Technology (NIST)
Computer Systems Laboratory
Software Standards Validation Group
Building 225, Room A266
Gaithersburg, Maryland 20899 (U.S.A.)
Telephone (301) 975-2490 (Voice)
(301) 975-3274 (Voice)
(301) 948-6213 (FAX)
e-mail: dashiell@ecf.ncsl.nist.gov (INTERNET)
dashiell@speckle.ncsl.nist.gov (INTERNET)

3.7 SQL Validation System

To request a copy of the SQL Validation System and/or to submit questions regarding the SQL Validation System, contact:

National Institute of Standards and Technology (NIST)
Computer Systems Laboratory
Database and Graphics Group
Building 225, Room A266
Gaithersburg, Maryland 20899 (U.S.A.)
Telephone (301) 975-3258 (Voice)
(301) 975-3263 (Voice)
(301) 948-6213 (FAX)
e-mail: sullivan@ecf.ncsl.nist.gov (INTERNET)

SPECIAL NOTICE:

The Computer Systems Laboratory has adopted the following change in the organization of the Database Language (SQL) entries. This change will become effective on and after January 1, 1994. The proposed change is to separate the Database Language (SQL) entries in the Validated Products List into two lists:

List 1: those entries that demonstrated no nonconformities as assessed by the SQL Validation System.

List 2: those entries that demonstrated one or more nonconformities as assessed by the SQL Validation System.

3.8 SQL PROCESSORS

VENDOR	PROCESSOR ID VSR # & EXPIRY DATE	INTERFACES & COMPILERS	HARDWARE & OPERATING SYS.	OTHER HW/SW ENVIRONMENTS	NONCON- FORMITIES
Digital Equipment Corporation	VAX Rdb/VMS Version 4.1 NIST-92/7351 10/01/93 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Module Ada VAX Ada Version 2.2 Embedded C Module C VAX C Version 3.2 Embedded COBOL Module COBOL VAX COBOL Version 4.4 Embedded FORTRAN Module FORTRAN VAX FORTRAN Version 5.7 Embedded PASCAL Module PASCAL VAX Pascal Version 4.2 Interactive SQL (FIPS Default)	VAXstation 3500 and VAX 8800 VAX/VMS Ver. 5.4-3	VAX, MicroVAX, and VAXstation VMS Versions 5.0 - 5.4-3 VAX Ada V2.0 - 2.2 VAX C V3.0 - 3.2 VAX COBOL V4.2 - 4.4 VAX Fortran V5.0 - 5.7 VAX Pascal V3.9 - 4.2	
	VAX Rdb/VMS Version 4.1 NIST-92/7352 10/01/93 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Module Ada VAX Ada Version 2.1 Embedded C Module C VAX C Version 3.2 Embedded COBOL Module COBOL VAX COBOL Version 4.4 Embedded FORTRAN Module FORTRAN VAX FORTRAN Version 5.7 Embedded PASCAL Module PASCAL VAX Pascal Version 4.2 Interactive SQL (FIPS Default)	VAXstation 4000 Cluster VAX/VMS Ver. 5.5-2	VAX, MicroVAX, and VAXstation VMS Versions 5.0 - 5.5-2 VAX Ada V2.0 - 2.1 VAX C V3.0 - 3.2 VAX COBOL V4.2 - 4.4 VAX Fortran V5.0 - 5.7 VAX Pascal V3.9 - 4.2	
	VAX Rdb/VMS Version 4.2 NIST-92/7353 10/01/93 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Module Ada VAX Ada Version 2.2 Embedded C Module C VAX C Version 3.2 Embedded COBOL Module COBOL VAX COBOL Version 4.4 Embedded FORTRAN Module FORTRAN VAX FORTRAN Version 5.7 Embedded PASCAL Module PASCAL VAX Pascal Version 4.2 Interactive SQL (FIPS Default)	VAXstation 3500 and VAX 8800 VAX/VMS Ver. 5.4-3	VAX, MicroVAX, and VAXstation VMS Versions 5.0 - 5.4-3 VAX Ada V2.0 - 2.2 VAX C V3.0 - 3.2 VAX COBOL V4.2 - 4.4 VAX Fortran V5.0 - 5.7 VAX Pascal V3.9 - 4.2	

SQL PROCESSORS, *Continued*

VENDOR	PROCESSOR ID VSR # & EXPIRY DATE	INTERFACES & COMPILERS	HARDWARE & OPERATING SYS.	OTHER HW/SW ENVIRONMENTS	NONCON- FORMITIES
	VAX Rdb/VMS Version 4.2 NIST-92/7354 10/01/93 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Module Ada VAX Ada Version 2.1 Embedded C Module C VAX C Version 3.2 Embedded COBOL Module COBOL VAX COBOL Version 4.4 Embedded FORTRAN Module FORTRAN VAX FORTRAN Version 5.7 Embedded PASCAL Module PASCAL VAX Pascal Version 4.2 Interactive SQL (FIPS Default)	VAXstation 4000 Cluster VAX/VMS Ver. 5.5-2	VAX, MicroVAX, and VAXstation VMS Versions 5.0 - 5.5-2 VAX Ada V2.0 - 2.1 VAX C V3.0 - 3.2 VAX COBOL V4.2 - 4.4 VAX Fortran V5.0 - 5.7 VAX Pascal V3.9 - 4.2	
IBM Corporation	Database 2 (DB2) Version 3 NIST-93/7441 8/1/94 Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger	Embedded C IBM C/370 Version 2 Release 1 Embedded COBOL IBM SAA AD/CYCLE COBOL/370 Version 1 Release 1 Embedded Fortran IBM VS FORTRAN Version 2 Release 5	IBM ES90009021-720 MVS/ESA SP Version 4 Release 1		
Informix Software Inc.	INFORMIX-OnLine/Secure Version 5.00 NIST-93/7301 12/1/93 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Module Ada INFORMIX-ADA/SAME Version 5.00 SunAda Version 2.0 Embedded C INFORMIX-ESQL/C Version 5.00 Sun ANSI C Version 2.0.1 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00	RDI BriteLite IPX Laptop Solaris 2.1	Sun4c sparc Solaris 2.1	
	INFORMIX-OnLine/Secure Version 5.00 NIST-93/7302 12/1/93 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Module Ada INFORMIX-ADA/SAME Version 5.00 SunAda Version 2.0 Embedded C INFORMIX-ESQL/C Version 5.00 Sun ANSI C Version 2.0.1 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00	Sun SPARCstation 10, Model 30 Solaris 2.1	Sun4m sparc Solaris 2.1	

SQL PROCESSORS, *Continued*

VENDOR	PROCESSOR ID VSR # & EXPIRY DATE	INTERFACES & COMPILERS	HARDWARE & OPERATING SYS.	OTHER HW/SW ENVIRONMENTS	NONCON- FORMITIES
	INFORMIX-OnLine/Secure Version 5.00 NIST-93/7303 12/1/93 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Module Ada INFORMIX-ADA/SAME Version 5.00 SunAda Version 2.0 Embedded C INFORMIX-ESQL/C Version 5.00 Sun ANSI C Version 2.0.1 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00	Sun SPARCstation 10, Model 41 Solaris 2.1	Sun4m sparc Solaris 2.1	
	INFORMIX-OnLine/Secure Version 5.00 NIST-93/7304 12/1/93 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Module Ada INFORMIX-ADA/SAME Version 5.00 SunAda Version 2.0 Embedded C INFORMIX-ESQL/C Version 5.00 Sun ANSI C Version 2.0.1 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00	Sun SPARCstation 10, Model 42 Solaris 2.1	Sun4m sparc Solaris 2.1	
	INFORMIX-OnLine/Secure Version 5.00 NIST-93/7305 12/1/93 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Module Ada INFORMIX-ADA/SAME Version 5.00 SunAda Version 2.0 Embedded C INFORMIX-ESQL/C Version 5.00 Sun ANSI C Version 2.0.1 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00	Sun SPARCstation 4/30 Solaris 2.1	Sun4m sparc Solaris 2.1	
	INFORMIX-OnLine/Secure Version 5.00 NIST-93/7306 12/1/93 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Module Ada INFORMIX-ADA/SAME Version 5.00 Verdix VADS System V/386/486 Version 6.1 Embedded C INFORMIX-ESQL/C Version 5.00 Interactive ANSI C Version 3.0 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00	Alpha Systems Lab PC Model ASL 486/33 Sun Interactive Unix, Version 3.0.1, Release 3.2	Intel 486 Sun Interactive Unix, Version 3.0.1, Release 3.2	

SQL PROCESSORS, *Continued*

VENDOR	PROCESSOR ID VSR # & EXPIRY DATE	INTERFACES & COMPILERS	HARDWARE & OPERATING SYS.	OTHER HW/SW ENVIRONMENTS	NONCON- FORMITIES
	INFORMIX-OnLine/Secure Version 5.00 NIST-93/7307 12/1/93 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Module Ada INFORMIX-ADA/SAME Version 5.00 Alsys Ada for HP9000 Series 800, Version A.05.35 Embedded C INFORMIX-ESQL/C Version 5.00 HP C Version A.08.17 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00	Hewlett-Packard 9000 Series 800 Model 867 HP BLS A.08.08	HP9000 Series 800, Series 700 HP BLS A.08.08-09	
	INFORMIX-OnLine/Secure Version 5.00 NIST-93/7308 12/1/93 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Module Ada INFORMIX-ADA/SAME Version 5.00 Alsys Ada for HP9000 Series 800, Version A.05.35 Embedded C INFORMIX-ESQL/C Version 5.00 HP C Version A.08.17 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00	Hewlett-Packard 9000 Series 800 Model 827 HP BLS A.08.08	HP9000 Series 800, Series 700 HP BLS A.08.08-09	
	INFORMIX-OnLine/Secure Version 5.00 NIST-93/7309 12/1/93 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Module Ada INFORMIX-ADA/SAME Version 5.00 Alsys Ada for HP9000 Series 800, Version A.05.35 Embedded C INFORMIX-ESQL/C Version 5.00 HP C Version A.08.17 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00	Hewlett-Packard 9000 Series 800 Model 807 HP BLS A.08.08	HP9000 Series 800, Series 700 HP BLS A.08.08-09	
Oracle Corporation	ORACLE7, Release 7.0 NIST-93/7101 11/1/93 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Pro*Ada, Version 1.5 VADS IBM RISC System/6000, AIX 3.2, VAda 110-7171, Version 6 Embedded C Pro*C, Version 1.5 IBM XL C Compiler/6000, Version 1.2	IBM RISC System 6000 Model 530H IBM AIX for RISC System/6000, Version 3 Release 2	IBM RISC System 6000 Models 220, 320, 320H, 340, 350, 520, 520H, 540, 550, 560, 730, 930, 950, 970 AIX for RISC System/6000, Version 3 Release 2	

SQL PROCESSORS, *Continued*

VENDOR	PROCESSOR ID VSR # & EXPIRY DATE	INTERFACES & COMPILERS	HARDWARE & OPERATING SYS.	OTHER HW/SW ENVIRONMENTS	NONCON- FORMITIES
	ORACLE7, Release 7.0 NIST-93/7102 11/1/93 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded C Pro*C, Version 1.5 NCR C Development Toolkit, Rel 2	NCR 3450 NCR System V Release 4 MP-RAS, Rel 2	NCR Series 3000, to include 3335, 3345, 3447, 3550, 3600 NCR System V Release 4 MP-RAS, Rel 2	
	ORACLE7, Release 7.0 NIST-93/7103 11/1/93 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded C Pro*C, Version 1.5 NCR C Development Toolkit, Rel 2	NCR 3550 NCR System V Release 4 MP-RAS, Rel 2	NCR Series 3000, to include 3335, 3345, 3447, 3550, 3600 NCR System V Release 4 MP-RAS, Rel 2	
	ORACLE7, Release 7.0 NIST-93/7104 11/1/93 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Pro*Ada, Version 1.5 Verdix Corp. VADS UNIX System V/386, Release 4, Version 6.1	NCR 3450 NCR System V Release 4 MP-RAS, Rel 2	NCR Series 3000, to include 3335, 3345, 3447, 3550, 3600 NCR System V Release 4 MP-RAS, Rel 2	
	ORACLE7, Release 7.0 NIST-93/7105 11/1/93 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Pro*Ada, Version 1.5 Verdix Corp. VADS UNIX System V/386, Release 4, Version 6.1	NCR 3550 NCR System V Release 4 MP-RAS, Rel 2	NCR Series 3000, to include 3335, 3345, 3447, 3550, 3600 NCR System V Release 4 MP-RAS, Rel 2	
	Trusted ORACLE7, Release 7.0 NIST-93/7106 11/1/93 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Pro*Ada, Version 1.5 Alsys Ada HP-B2425, Version A.05.35 Embedded C Pro*C, Version 1.5 HP C HP 92453-01, Version A.08.17	Hewlett-Packard 9000/807 HP-UX BLS, Version 8.08	HP 9000/7xx HP-UX BLS Release 8.09 HP 9000/8xx HP-UX BLS Release 8.08	
	Trusted ORACLE7, Release 7.0 NIST-93/7107 11/1/93 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Pro*Ada, Version 1.5 Alsys Ada HP-B2425, Version A.05.35 Embedded C Pro*C, Version 1.5 HP C HP 92453-01, Version A.08.17	Hewlett-Packard 9000/817 HP-UX BLS, Version 8.08	HP 9000/7xx HP-UX BLS Release 8.09 HP 9000/8xx HP-UX BLS Release 8.08	

SQL PROCESSORS, *Continued*

VENDOR	PROCESSOR ID VSR # & EXPIRY DATE	INTERFACES & COMPILERS	HARDWARE & OPERATING SYS.	OTHER HW/SW ENVIRONMENTS	NONCON- FORMITIES
	Trusted ORACLE7, Release 7.0 NIST-93/7108 11/1/93 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Pro*Ada, Version 1.5 Alsys Ada HP-B2425, Version A.05.35 Embedded C Pro*C, Version 1.5 HP C HP 92453-01, Version A.08.17	Hewlett-Packard 9000/847 HP-UX BLS, Version 8.08	HP 9000/7xx HP-UX BLS Release 8.09 HP 9000/8xx HP-UX BLS Release 8.08	
	Trusted ORACLE7, Release 7.0 NIST-93/7109 11/1/93 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Pro*Ada, Version 1.5 Alsys Ada HP-B2425, Version A.05.35 Embedded C Pro*C, Version 1.5 HP C HP 92453-01, Version A.08.17	Hewlett-Packard 9000/867 HP-UX BLS, Version 8.08	HP 9000/7xx HP-UX BLS Release 8.09 HP 9000/8xx HP-UX BLS Release 8.08	
	Trusted ORACLE7, Release 7.0 NIST-93/710A 11/1/93 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Pro*Ada, Version 1.5 AlsyComp_034, Version 5.1 Embedded C Pro*C, Version 1.5 SecureWare CMW+, Version 2.2 Native C	Zenith Data Systems Z-Station 433 DEh SecureWare CMW+, Version 2.2		
Praxis International Inc.	Model 204 Advantage/SQL, Version 1 Release 1 NC/NIST-93/7401 7/1/94 Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger	Embedded COBOL COBOL II Version 1.3.2	IBM 9221-170 MVS/ESA Release 4.2.2		2 schema
	Model 204 Advantage/SQL, Version 1 Release 1 NC/NIST-93/7402 7/1/94 Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger	Embedded COBOL COBOL II Version 1.3.2	IBM 4381-T92 VM/XA Release 2.1		2 schema
Software AG	ADABAS SQL Server, Version 1.1 NIST-93/7201 1/1/94 Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger	Embedded C ADABAS Version 1.2 HP C Version A.08.17	HP 9000/817 HP/UX A.08.02		10 C

SQL PROCESSORS, *Continued*

VENDOR	PROCESSOR ID VSR # & EXPIRY DATE	INTERFACES & COMPILERS	HARDWARE & OPERATING SYS.	OTHER HW/SW ENVIRONMENTS	NONCON- FORMITIES
	ADABAS SQL Server, Version 1.1 NIST-93/7202 1/1/94 Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger	Embedded COBOL ADABAS Version 1.2 HP Micro Focus COBOL/2, Version 1.1 Rev. 002	HP 9000/817 HP/UX A.08.02		10 COBOL
	ADABAS SQL Server, Version 1.1 NIST-93/7203 1/1/94 Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger	Embedded COBOL ADABAS Version 5.3 COBOL II, Version 3.2	Hitachi HDS/EX90 MVS/ESA Version 4.2.2		10 COBOL
Sybase, Inc.	Sybase System 10/Version 5.0 Pre-release NIST-93/7051 11/1/93 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Schema Processor Sybase isql/4.2.5 Embedded C Sybase ESQL/C, Version 5.0 gcc V 2.1 Other Software Sybase Open Client Ct- library 5.0	Sun 4/75 SunOS 4.1.1	Sybase System 10/Version 10.0 Pre-release Client: Sybase ESQL/C 10.0 Pre-release Sun4/470 SunOS 4.1.2-4.1.3 gcc version 2.2 Server: Sybase SQL Server 10.0 Pre-release Sun4/690 SunOS 4.1.2	
	Sybase System 10/Beta Version Pre-release NIST-93/7061 9/1/94 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Schema Processor Sybase Interactive SQL (isql) System 10 Version 10 Embedded C System 10 Beta Version cc bundled with HP-UX 9.0 Operating System	HP 9000/I 40 HP-UX 9.0	HP 9000/H 30 HP-UX 9.0	
	Sybase System 10 Version 10.0 NIST-93/7062 10/1/94 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Schema Processor Sybase Interactive SQL (isql) System 10 Version 10.0 Embedded C Sybase ESQL/C System 10 Version 10.0 Metaware High C Release 2.3 Embedded COBOL Sybase ESQL/COBOL System 10 Version 10.0 Microfocus COBOL Version 3.0 Other Software Sybase SQL Server System 10 Version 10.0	Client: NCR 3550 NCR OS Version 2.00.02 Server: NCR 3550 NCR OS Version 2.00.02	NCR 3000 Series NCR SVR 4 2.x	

SQL PROCESSORS, *Continued*

VENDOR	PROCESSOR ID VSR # & EXPIRY DATE	INTERFACES & COMPILERS	HARDWARE & OPERATING SYS.	OTHER HW/SW ENVIRONMENTS	NONCON- FORMITIES
	Sybase System 10 Version 10.0 NIST-93/7063 10/1/94 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Schema Processor Sybase Interactive SQL (isql) System 10 Version 10.0 Embedded C Sybase ESQL/C System 10 Version 10.0 Sparc Compiler C Version 2.0 Embedded COBOL Sybase ESQL/COBOL System 10 Version 10.0 Microfocus COBOL Compiler 3.1 Other Software Sybase SQL Server System 10 Version 10.0	Client: Sun 4/65 Sun Solaris Version 2.2 Server: Sun 4/65 Sun Solaris Version 2.2	all Sun4, Sparcstation 10, Sparcserver 600 series Sun Solaris 2.2	
	Sybase System 10 Version 10.0 NIST-93/7064 10/1/94 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Schema Processor Sybase Interactive SQL (isql) System 10 Version 10.0 Embedded C Sybase ESQL/C System 10 Version 10.0 IBM AIX XLC Version 1.2 Embedded COBOL Sybase ESQL/COBOL System 10 Version 10.0 Microfocus COBOL Compiler 3.1 Other Software Sybase SQL Server System 10 Version 10.0	Client: IBM RS/6000 Model 520 IBM AIX Version 3.2 Server: IBM RS/6000 Model 520 IBM AIX Version 3.2	IBM RS6000 IBM AIX Version 3.2 & 3.2.4	
	Sybase System 10 Version 10.0 NIST-93/7065 10/1/94 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Schema Processor Sybase Interactive SQL (isql) System 10 Version 10.0 Embedded C Sybase ESQL/C System 10 Version 10.0 HP Native C, HP C A.09.30 Embedded COBOL Sybase ESQL/COBOL System 10 Version 10.0 HP COBOL Version 3.0 Other Software Sybase SQL Server System 10 Version 10.0	Client: HP 9000/827 HP-UX A.09.00 Server: HP 9000/827 HP-UX A.09.00	HP 700 Series, HP 800 Series HP-UX A.09.00	

SQL PROCESSORS, *Continued*

VENDOR	PROCESSOR ID VSR # & EXPIRY DATE	INTERFACES & COMPILERS	HARDWARE & OPERATING SYS.	OTHER HW/SW ENVIRONMENTS	NONCON- FORMITIES
	Sybase System 10 Version 10.0 NIST-93/7066 10/1/94 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Schema Processor Sybase Interactive SQL (isql) System 10 Version 10.0 Embedded C Sybase ESQL/C System 10 Version 10.0 GCC Version 2.3.1 Embedded COBOL Sybase ESQL/COBOL System 10 Version 10.0 Microfocus COBOL Compiler Version 3.0 Other Software Sybase SQL Server System 10 Version 10.0	Client: Sun Sparcserver 690 SunOS 4.1.3 Server: Sun Sparcserver 690 SunOS 4.1.3	all Sun4, Sparcstation 10, Sparcserver 600 series SunOS 4.1.3	
	Sybase System 10 Version 10.0 NIST-93/7067 10/1/94 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Schema Processor Sybase Interactive SQL (isql) System 10 Version 10.0 Embedded C Sybase ESQL/C System 10 Version 10.0 Vax C Version 3.1 Embedded COBOL Sybase ESQL/COBOL System 10 Version 10.0 Vax COBOL Version 5.1 Other Software Sybase SQL Server System 10 Version 10.0	Client: DEC VAX 6000-450 Vax/VMS 5.4-1 A Server: DEC VAX 6000-450 Vax/VMS 5.4-1 A	all DEC Vax running OS level Vax/VMS 5.4	
	Sybase System 10 Version 10.0 NIST-93/7068 10/1/94 Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Schema Processor Sybase Interactive SQL (isql) System 10 Version 10.0 Embedded C Sybase ESQL/C System 10 Version 10.0 DEC OSF/AXP C 3.11 Other Software Sybase SQL Server System 10 Version 10.0	Client: DEC 3000 Model 500 OSF/1 Version 1.2 Server: DEC 3000 Model 500 OSF/1 Version 1.2	all DEC AXP running OS level below Dec OSF/1 Version 1.2	
White Cross Systems Ltd.	WHITE CROSS 9000 Release 1.0.0 NIST-93/7251 1/1/94 Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults	Embedded C WHITE CROSS 9000 Client Utilities Release 1.0.0 MICROSOFT C/C++ Optimizing Compiler Version 7.00 Communications FTP PC/TCP Version 2.05 (over Ethernet)	Client: Custom-built 80486-based PC MICROSOFT MS-DOS Version 5.00 Server: WHITE CROSS 9000 Model WCS/9010		
	WHITE CROSS 9000 Release 1.0.0 NIST-93/7252 1/1/94 Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults	Embedded C WHITE CROSS 9000 Client Utilities Release 1.0.0 NeXTSTEP Objective C Release 3.0 Communications TCP/IP software bundled with OS (over Ethernet)	Client: NeXTstation NeXTSTEP Release 3.0 Server: WHITE CROSS 9000 Model WCS/9010		

SQL PROCESSORS, *Continued*

VENDOR	PROCESSOR ID VSR # & EXPIRY DATE	INTERFACES & COMPILERS	HARDWARE & OPERATING SYS.	OTHER HW/SW ENVIRONMENTS	NONCON- FORMITIES
	WHITE CROSS 9000 Release 1.0.0 NIST-93/7253 1/1/94 Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults	Embedded C WHITE CROSS 9000 Client Utilities Release 1.0.0 C Optimizing Compiler Version 5.10 Communications TCP/IP software bundled with OS (over Ethernet)	Client: Custom-built 80486-based PC SCO UNIX SYSTEM V/386 Development System Release 3.2 Server: WHITE CROSS 9000 Model WCS/9010		
	WHITE CROSS 9000 Release 1.0.0 NIST-93/7254 1/1/94 Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults	Embedded C WHITE CROSS 9000 Client Utilities Release 1.0.0 SPARCompiler C Version 2.0.1 Communications TCP/IP software bundled with OS (over Ethernet)	Client: SPARCstation IPX SunOS Release 4.1.2 Server: WHITE CROSS 9000 Model WCS/9010		

4. GRAPHICS CONFORMANCE TESTING

4.1 FIPS GKS Standard

The Graphical Kernel System (GKS) is a two-dimensional graphics tool box which provides for the display and manipulation of pictures and graphical input from the operator. The purpose of GKS is to promote portability of graphics applications for use on a variety of graphics workstations. It provides a functional interface between an application program and a configuration of graphical devices. The interface is at such a level of abstraction that hardware peculiarities are shielded from the application program.

FIPS PUB 120-1, GKS, is the first Federal Information Processing Standard Publication (FIPS PUB) registered for computer graphics systems. In accordance with FIPS PUB 120-1, two-dimensional graphics toolbox packages acquired for Federal use after November 3, 1986 should implement FIPS GKS. Conformance testing of GKS implementations protects Federal investment by ensuring adherence to the graphics standard. FIPS PUB 120-1 requires that GKS implementations offered to Federal agencies be tested using the NIST Test Suite to ensure that a particular implementation meets the specifications of the FIPS. The GKS Validation Test Suite (Fortran) is available from:

Ms. Susan Sherrick
National Institute of Standards and Technology
Building 225, Room A266
Gaithersburg, MD 20899
(301) 975-3268

4.1.1 Organization of GKS Entries

The entries in the VPL for GKS implementations are presented as follows:

- The VENDOR ID column contains the name of the Vendor of the implementation.
- The GKS NAME column contains the name of the implementation, its version number, the VSR number, and the Expiry date of the certificate of validation.
- The HARDWARE & OP. SYSTEM column presents the hardware and operating system environment used during the validation.
- The GRAPHICS DEVICES column includes the graphics devices that were validated.
- The GKS LEVEL column indicates the level of GKS that was validated.
- The entries in the OTHER HW/OS column include other hardware and operating system environments in which the processor operates.
- The NONCONFORMITIES column indicates whether or not the GKS implementation conforms to the applicable FIPS in one or more cases as evidenced by the validation. The VSR should be reviewed for details of the nonconformities.

4.2 FIPS PHIGS Standard

PHIGS stands for Programmer's Hierarchical Interactive Graphics System. PHIGS is a powerful system for interactive 3-dimensional (3D) graphics applications. PHIGS provides programmers with a set of features which enables them to manipulate and display complex 3D objects. It is called hierarchical because the complex objects can be built up from simpler objects. PHIGS also provides a rich set of capabilities for real-time interaction with the user. While it borrows many concepts from the Graphical Kernel System (GKS) standard, it also introduces many new features, such as a "graphics data base" (the centralized structure store), and support for modeling and viewing.

In accordance with FIPS PUB 153, (PHIGS), 3D graphics packages acquired for Federal use should implement FIPS PHIGS. Conformance testing of PHIGS implementations protects Federal investment by ensuring adherence to the graphics standard. FIPS PUB 153 requires that PHIGS implementations offered to Federal agencies be tested using the NIST PVT (PHIGS Validation Tests) test suite. The test suite ensures that a particular implementation meets the specifications set forth in the FIPS. The PHIGS PVT test suite is available from:

Project Leader, PHIGS Validation Tests
National Institute of Standards and Technology
Computer Systems Laboratory
Bldg. 225, Room A-266
Gaithersburg, MD 20899

phone: (301) 975-3265
e-mail: phigs@speckle.ncsl.nist.gov

4.2.1 Organization of PHIGS Entries

The entries in the VPL for PHIGS implementations are as follows:

- The VENDOR column contains the name of the vendor of the implementation.
- The PHIGS name column contains the name of the implementation, its version number, the Validation Summary Report (VSR) number, and the expiry date of the certification of validation.
- The HARDWARE & OP.SYSTEM column presents the hardware and operating system environment used during the validation.
- The GRAPHICS DEVICES column includes the graphics devices that were validated.
- The entries in the REGISTERED ENVIRONMENTS HW/OS column include registered hardware and operating systems for the implementation tested. The vendor of the implementation has certified that the identified processor, when operating under the environments included in this column, produces the same test results used during the validation. Test results and other information from these environments may be required as evidence for entries to be included in this column.
- The NONCONFORMITIES column indicates whether or not the PHIGS implementation conforms to the FIPS in one or more cases as evidenced by the validation. The VSR should be reviewed for more details of the nonconformities.

4.3 FIPS CGM Standards

The FIPS 128-1, Computer Graphics Metafile (CGM) is a data interchange standard for the storage and retrieval of picture information in a device independent manner. The purpose of the CGM is to facilitate the transfer of graphical information among different computer systems, devices and/or applications.

The FIPS 128-1 requires the use of a CGM application profile. In particular, the Military Specification MIL-D-28003A, commonly known as the CALS CGM profile, is required for Federal government applications when the representation of graphical information in digital form is to be used in technical illustrations and publications, or when the use of a general-purpose, graphical interchange mechanism is required.

NIST offers two CGM Test Services: metafile testing and generator testing. The purpose of the Test Services is to determine the degree to which the metafile or CGM generator conforms to the FIPS 128-1 and the CALS profile. Presently, the Test Service addresses only CGM Version 1.

4.3.1 CGM Test Labs and Test Suite

CGM Validation Testing is available from the National Institute of Standards and Technology through its Computer Systems Laboratory (NIST/CSL).

National Institute of Standards and Technology
CGM Test Service
Building 225, Room A266
Gaithersburg, MD 20899
(301) 975-3265

The CGM Validation Test Software is based on CTS/Metacheck, version 2.10 and is available for purchase from

CGM Technology Software
1527 Route 12, Box 648
Gales Ferry CT 06335
(203) 464-2623

4.3.2 Certificate of Validation

For metafile testings, a certificate of validation is issued for those CGM files that have been tested and are in compliance with the FIPS 128-1 and MIL-D-28003A. Conformance of a metafile does NOT necessarily imply conformance of the CGM generator, CGM interpreter, or other CGMs created on the same hardware and software platform.

For generator testing, a certificate of validation is issued for a CGM generator that has been tested and is in compliance with the FIPS 128-1 and MIL-D-28003A.

4.3.3 Validation Procedures and Test Suite

CGM files and generators are tested in accordance with procedures described in the NIST Procedures for CGM Testing. The current version of the CGM Generator Test Suite is 1.0; the current version of the Validation Test Software is 2.10. The validation procedures and test suite are available from:

National Institute of Standards and Technology (NIST)
Computer Systems Laboratory
CGM Test Service
Room A266 Technology Building
Gaithersburg, MD 20899
Telephone (301) 975-3265

4.3.4 Validated Metafiles

The metafiles presented in Section 4.6 have been tested for conformity with FIPS PUB 128 or MIL-D-28003. Each entry in the VPL is a very limited extract from the Validation Summary Report (VSR) available from NIST/CSL.

4.4 Raster Graphics Standards

FIPS PUB 150 adopts EIA-538 which defines the facsimile coding schemes and their control functions for Group 4 facsimile apparatus, i.e., ITU-T (formerly CCITT) Recommendation T.6. It defines a standard compression algorithm (T.6 - Group 4) suitable for the storage, retrieval, and interchange of raster graphics images.

Military Specification MIL-R-28002 specifies the structure and encoding of raster data files to be delivered to the government. It specifies the use of the standard compression algorithm defined in FIPS PUB 150. It also specifies the use of standard file headers which are defined in MIL-STD-1840. MIL-STD-1840 standardizes the format and structure of digital technical data files for the purpose of interchange between organizations or systems.

4.4.1 Certificate of Validation

The Raster Graphics Validation Test Service tests an implementation's capablility of both receiving and generating raster graphics data conforming to the specifications in FIPS PUB 150 and MIL-R-28002.

A certificate of validation is issued for an implementation that passes the validation test and conforms to FIPS PUB 150 and MIL-R-28002.

4.4.2 Information Pack

Upon request, a Raster Graphics Validation Test Information Pack is available from:

National Institute of Standards and Technology (NIST)
Computer Systems Laboratory
Raster Graphics Validation Test Service
Technology Building, Room A266
Gaithersburg, MD 20899
Telephone (301) 975-3265

4.5 GKS IMPLEMENTATIONS

VENDOR	GKS NAME EXPIRY & VSR #	HARDWARE & OP. SYSTEM	GRAPHICS DEVICES	GKS LEVEL	REGISTERED ENVIRONMENTS	NONCON- FORMITIES
Advanced Technology Center	GRAFPAK-GKS Release 4.0 12/1/93 NIST/NCC-92/967	NCR 3450 Unix System V Release 4	X Window System V11 PostScript Portrait Oriented Workstation (using QMS PS 810 Laser Printer)	Level 2c		No
	GRAFPAK-GKS Release 4.0 12/1/93 NIST/NCC-92/968	NCR 3550 Unix System V Release 4	X Window System V11 PostScript Portrait Oriented Workstation (using QMS PS 810 Laser Printer)	Level 2c		No
	GRAFPAK-GKS Release 4.0 12/1/93 NIST/NCC-92/969	IBM RS6000 Model 220 AIX 3.2	X Window System V11 PostScript Portrait Oriented Workstation (using QMS PS 810 Laser Printer)	Level 2c		No
	GRAFPAK-GKS Release 4.0 12/1/93 NIST/NCC-92/970	IBM RS6000 Model 530H AIX 3.2	X Window System V11 PostScript Portrait Oriented Workstation (using QMS PS 810 Laser Printer)	Level 2c		No
	GRAFPAK-GKS Release 4.0 12/1/93 NIST/NCC-92/971	HP-9000/817 HP-UX 8.08	X Window System V11 PostScript Portrait Oriented Workstation (using QMS PS 810 Laser Printer)	Level 2c		No
	GRAFPAK-GKS Release 4.0 12/1/93 NIST/NCC-92/972	HP-9000/827 HP-UX 8.02	X Window System V11 PostScript Portrait Oriented Workstation (using QMS PS 810 Laser Printer)	Level 2c		No
	GRAFPAK-GKS Release 4.0 12/1/93 NIST/NCC-92/974	Sun Sparcstation 1 Solaris 2.1	X Window System V11 PostScript Portrait Oriented Workstation (using QMS PS 810 Laser Printer)	Level 2c		No

4.6 COMPUTER GRAPHICS METAFILES

CLIENT	VSR # & DATE	# CGM Submitted /Conforming	CGM/SIZE/ DATE	GENERATOR	PLATFORM (As Reported by Vendor)
Interleaf, Inc El Segundo, CA	NIST-M-92/003-001 9/2/92	1/1	asg.cgm 8880 8/31/92	Interleaf Inc MDL/G	Interleaf 5 v5.3, HP9000/700, HP UX v8.07
IBM Corporation Federal Sector Division Oswego, NY	NIST-M-92/005-002 10/28/92	5/5	gcgm_i220.cgm 5280 10/27/92	GRAFPAK-CGM 1.1.2	IBM RS6000 Model 220, AIX 3.2
			gcgm_i530.cgm 5280 10/27/92	GRAFPAK-CGM 1.1.2	IBM RS6000 Model 530, AIX 3.2
			gcgm_n345.cgm 5280 10/27/92	GRAFPAK-CGM 1.1.2	NCR 3450, NCR UNIX SVR4
			gcgm_n355.cgm 5280 10/27/92	GRAFPAK-CGM 1.1.2	NCR 3550, NCR UNIX SVR4
			gks_i530.cgm 23680 10/27/92	GRAFPAK-GKS 4.0	IBM RS6000 Model 530, AIX 3.2
ESRI Boulder CO	NIST-M-93/006-003 1/26/93	5/5	sun.cgm 181680 1/19/93	ARC/INFO	SUN SparcStation, Sun OS 4.1.3
			ibm.cgm 181680 1/19/93	ARC/INFO	IBM RS6000, AIX 3.2
			dg.cgm 181680 1/19/93	ARC/INFO	Data General AViiON, DG/UX 5.4.1
			dec.cgm 181680 1/19/93	ARC/INFO	DecStation 5000, ULTRIX 4.2a
			sgi.cgm 181680 1/19/93	ARC/INFO	Silicon Graphics Indigo, IRIX 4.0.2
EDS Herndon, VA	NIST-M-93/007-004 1/29/93	3/3	demo5.cgm 13280 1/28/93	GRAFPAK-GKS 4.0	SPARCStation 10 Model 30, Solaris 2.1
			demo7.cgm 5360 1/28/93	GRAFPAK-GKS 4.0	SPARCStation 10 Model 30, Solaris 2.1
			demo8.cgm 3840 1/28/93	GRAFPAK-GKS 4.0	SPARCStation 10 Model 30, Solaris 2.1

4.7 PHIGS APPLICATIONS

VENDOR	PHIGS NAME	HARDWARE & OP. SYSTEM	GRAPHICS DEVICES	REGISTERED ENVIRONMENTS	NONCON-FORMITIES

No entries at this time.

5. U.S. GOSIP TESTING PROGRAM REGISTER DATABASE SYSTEM (GRD)

5.1 Description

The United States Government Open Systems Interconnection Profile (GOSIP) Testing Program was defined to assist Federal Agencies in assuring conformance to the GOSIP Standard. Testing for conformance to the Open Systems Interconnection (OSI) standards and for interoperability with other OSI implementations is available.

NISTIR 4594, "GOSIP Conformance and Interoperation Testing and Registration" establishes the framework for the establishment of registers for Test Suites, Test Systems (Means of Testing), Conformance Testing Laboratories, and Interoperability Testing Services.

5.2 U.S. GOSIP Register Database (GRD)

The U.S. GOSIP Register Database (GRD) is an online database facility developed by NIST. It provides up-to-date reference information for the following list of registers:

1. U.S. GOSIP Abstract Test Suites (ATS).
2. Assessed Means of Testing (MOT).
3. NVLAP Accredited Test Laboratories.
4. Conformance Tested GOSIP Products.
5. Interoperability Test Suites (ITS) for OSI Products.
6. Reference Entities for Means of Testing Assessment(s).
7. Interworking GOSIP Products.
8. Interoperability Test and Registration Services.

5.3 How To Access the GOSIP Register Database (GRD)

The GRD can be accessed in two ways.

1. Using the Internet address 138.27.7.2 and logging on under the user-name "jitc1". No password is necessary.

2. Via a modem by dialing the phone number (602) 538-5233. Log in using the user-name "jitc1". No password is necessary. (Recommended modem configuration is 8-bits, 1 stop bit, no parity and baud rates of 1200 or 2400 speed.)

Currently, when using a modem, the GRD system allows for two simultaneous users only. If connection is not established please hang up and try again later.

Once connected the user will immediately be put into an introduction screen. After hitting the return key, a screen is presented to allow the user to select the appropriate terminal type. Enter the corresponding number from the list provided. After this the user is put into the main application menu. It is recommended to read the help option ("GRD Operation Information") first before performing any queries. The "GRD Operation Information" option is option three of the main menu. Option four, "U.S. GOSIP Register Information", gives general information about the U.S. GOSIP Testing Program and the

contents of the registers. Option five, "Register Directory", lists the registers and in turn allows the user to perform queries on the register contents.

For any questions, problems or comments dealing with the GRD or the U.S. GOSIP Testing Program please contact:

Ken Thomas
Joint Interoperability Test Center - TCBB
Fort Huachuca, AZ 85613-7020
(602) 538-5170
e-mail: C3A-TCB@huachuca-EMH2.army.mil

5.4 GOSIP REGISTERS

5.4.1 REGISTER OF CONFORMANCE TESTING LABORATORIES

Conformance testing laboratories for the U.S. GOSIP Testing Program are listed here. All registered laboratories are deemed qualified to conduct conformance testing for U.S. GOSIP, for the Means of Testing identified. Entries on this Register mayh be Full or Provisional. Provisional entries are assessed and awaiting formal NVLAP Accrediation; entries are valid for 12 months from the date of registration. Fully Registered entries are NVLAP Accredited; entries are valid until expiration, revocation or suspension of NVLAP Accrediation.

Laboratory Code: 0354

Laboratory Name: Control Data Corporation, OSI Accredited Test Center
4201 North Lexington Avenue
Arden Hills, MN 55126-6198

Contact and Phone: Ronald D Swan, Telephone: (612) 482-6257
Fax: (612) 482-3616

Scope of Registration: X.400-1984 MHS: P2/P1/RTS/(Session), TP4, TP0, CLNP, X.25:PLP/HDLC LAP-B

Lab Type: Conformance

Registration Type: FULL

Registered Until: 01-JUL-94

Laboratory Code: 0355

Laboratory Name: Bull HN Conformance Test Center
13430 N Black Canyon Hwy, P.0. Box 8000
Phoenix, AZ 85029

Contact and Phone: Oscar V Hefner Telephone: (602) 862-6001
Fax: (602) 862-6051

Scope of Registration: FTAM/ACSE/Presentation(Session), X.400-1984 MHS: P2/P1/RTS/(Session), TP4, CLNP

Lab Type: Conformance

Registration Type: FULL

Registered Until: 01-JUL-94

Laboratory Code: 0357

Laboratory Name: National Computing Centre Limited
Oxford Road
Manchester
M17ED United Kingdom

Contact and Phone: A. E. J. Pink Telephone: +44 61 228 6333
Fax: +44 61 236 4715

Scope of Registration: FTAM/ACSE/Presentation(Session), X.400-1984 MHS: P2/P1/RTS/(Session), Session, TP4, TP0, CLNP

Lab Type: Confrmnce

Registration Type: FULL

Registered Until: 01-JUL-94

Laboratory Code: 0361

Laboratory: IBM Corportation - Networking Systems Protocol Center
Dept C70/Building 673, P.O. Box 12195
Research Triangle Park, NC 27709-2195

Contact and Phone: Robert M Amy Telephone: (919) 254-4141
Fax: (919) 254-5410

Scope of Registration: X.25:PLP/HDLC LAP-B

Lab Type: Confrmnce

Registration Type: FULL

Registered Until: 01-JUL-94

Laboratory Code: 0362

Laboratory Name: Digital Equipment Corp
550 King Street
Littleton, MA 01460-1289

Contact and Phone: Richard A Duhamel Telephone: (508) 486-5021
Fax: (508) 486-7417

Scope of Registration: FTAM/ACSE/Presentation(Session), X.400-1984 MHS: P2/P1/RTS/(Session), TP4, TP0, CLNP, X.25:PLP/HDLC LAP-B

Lab Type: Confrmnce

Registration Type: FULL

Registered Until: 01-JUL-94

Laboratory Code: 0363

Laboratory Name: Corporation for Open Systems International Test Center
8260 Willow Oaks Corp Drive, Suite 700
Fairfax, VA 22031

Contact and Phone: Andrea Reitzel Telephone: (703) 205-2809
Fax: (703) 846-8590

Scope of Registration: FTAM/ACSE/Presentation(Session), X.400-1984 MHS:P2/P1/RTS/(Session), TP4, TP0, CLNP, X.25:PLP/HDLC LAP-B

Lab Type: Confrmnce

Registration Type: FULL

Registered Until: 01-JUL-94

Laboratory Code: 0364

Laboratory Name: CDA, Incorporated Open Systems Development Group
8301 Greensboro Drive, Suite 610
McLean, VA 22102-3603

Contact and Phone: Kevin P Murray Telephone: (703) 821-1858
Fax: (703) 821-9859

Scope of Registration: FTAM/ACSE/Pressentation(Session), X.400-1984 MHS: P2/P1/RTS/(Session), TP0, TP4, CLNP, X.25: PLP/HDLC LAP-B

Lab Type: Confrmnce

Registration Type: FULL

Registered Until: 01-JUL-94

Laboratory Code: 0365

Laboratory Name: Hewlett-Packard Company, OSI Conformance Test Center
19420 Homestead Road
Cupertino, CA 95014-9810

Contact and Phone: Murali Subbarao Telephone: (408) 447-2822
Fax: (408) 447-3660

Scope of Registration: FTAM/ACSE/Presentation(Session), X.400-1984 MHS: P2/P1/RTS(Session), Session, TP4, TP0, CLNP

Lab Type: Confrmnce

Registration Type: FULL

Registered Until: 01-JUL-94

Laboratory Code: 0367

Laboratory Name: UNISYS - Open Systems Interconnection Laboratory
P.O. Box 203, 2450 Swedesford Road
Paoli, PA 19301

Contact and Phone: Andrew Kalish Telephone: (215) 993-7044
Fax: (215) 993-7425

Scope of Registration: FTAM/ACSE/Presentation(Session), X.400-1984 MHS: P2/P1/RTS(Session), TP4, TP0, CLNP, X.25:PLP/HDLC LAP-B

Lab Type: Confrmnce

Registration Type: FULL

Registered Until: 01-JUL-94

Laboratory Code: 0370

Laboratory Name: Conformance Expert Center for OSI Bull - CECOB
Rue Jean Jaures, B.P. 68
78430 Les Clayes/Bois
France

Contact and Phone: Gerard Vanderschooten
Telephone: +33 1 30 80 68 11
Fax: +33 1 3080 7879

Scope of Registration: Session, TP4, TP0, CLNP, 8802.2, 8802.3, X.25:PLP/HDLC LAP-B

Lab Type: Confrmnce

Registration Type: FULL

Registered Until: 01-OCT-93

Laboratory Code: 0371

Laboratory Name: Alcatel TITN Incorporated Conformance, Accreditation and Test Center
7011 Koll Center Parkway, #Suite 200
Pleasanton, CA 94566-3101

Contact and Phone: Sanjay P Lokare Telephone: (510) 484-5764
Fax: (510) 484-4078

Scope of Registration: FTAM/ACSE/Presentation, X.400-1984 MHS: P2/P1/RTS, Session, TP4, TP0, CLNP

Lab Type: Confrmnce

Registration Type: FULL

Registered Until: 01-OCT-93

Laboratory Code: 0385

Laboratory Name: Dept of Defense, Joint Interoperability Test Center
ATTN: TCDBA, Building 57305
Ft. Huachuca, AZ 85613-7020

Contact and Phone: Kenneth Thomas Telephone: (602) 538-5170
Fax: (602) 538-4375

Scope of Registration: FTAM/ACSE/Presentation(Session) X.400-1984 MHS: P1/P2/RTS (Session), Session, TP4, TP0, CLNP, 8802.2/8802.3, X.25:PLP/HDLC LAP-B

Lab Type: Confrmnce

Registration Type: FULL

Registered Until: 01-APR-94

Laboratory Code: 0391

Laboratory Name: Data General Corporation, OSI Conformance Test Center
4400 Computer Drive, MS/D216
Westborough, MA 01580

Contact and Phone: Charles Stakus Telephone: (508) 870-6392
Fax: (508) 898-4694

Scope of Registration: FTAM/ACSE/Presentation(Session), X.400-1984 MHS: P2/P1/RTS/(Session), Session, TP4, TP0, CLNP

Lab Type: Confrmnce

Registration Type: FULL

Registered Until: 01-OCT-93

Laboratory Code: 0392

Laboratory Name: IBM Rome Networking Systems Laboratory
Via Paolo DiDono, 44
00144 Rome Italy

Contact and Phone: Alberto Sinibaldi Telephone: 39 6 5966-2281
Fax: 39 6 5966-2467

Scope of Registration: FTAM/ACSE/Presentation(Session), X.400-1984 MHS: P2/P1/RTS/(Session), Session, TP4, TP0, CLNP

Lab Type: Confrmnce

Registration Type: FULL

Registered Until: 01-OCT-93

Laboratory Code: 0394

Laboratory Name: Telecommunications Laboratories Test Center
P.O. Box 71
Chung-Li, 320
Taiwan

Contact and Phone: Ching-Sung Lu Telephone: +886 3 424-4377
Fax: +886 3 490-4464

Scope of Registration: X.400-1984 MHS: P2/P1/RTS/(Session), FTAM/ACSE/Presentation (Session), Session, TP4, TP0, CLNP

Lab Type: Confrmnce

Registration Type: FULL

Registered Until: 01-OCT-93

Laboratory Code: 0397

Laboratory Name: OSI Conformance Testing Services
Wenlock Way
West Gorton, Manchester
M12 5DR
United Kingdom

Contact and Phone: R G Medley Telephone: 44 61 223-1301
Fax: 44 61 223-0482

Scope of Registration: FTAM/ACSE/Presentation(Session), X.400-1984 MHS: P2/P1/RTS/(Session), Session, TP4, TP0, CLNP

Lab Type: Confrmnce

Registration Type: FULL

Registered Until: 01-APR-94

5.4.2 REGISTER OF APPROVED US GOSIP MOT VALIDATION LABORATORIES

NVLAP Laboratory Code: 0385

Laboratory Name: Department of Defense
Joint Interoperability Test Center
Building 57305
Fort Huachuca, AZ 85613-7020

Contact: Kenneth Thomas Tel (602) 538-5170
Scope of Registration: FTAM/ACSE/Presentation(Session), Session, TP4, TP0, CLNP, 8802-2/8802-3, X.25 PLP/HDLC, LAB B, MHS
Type of Laboratory: MOT Qualification

Type of Registration (Full or Provisional): Full

Registered Until: 01-MAR-94

RNE Accreditation Number: 77.90/01

Laboratory Name: ACERLI
5, Voie Verte
92260 Fontenay-aux-Roses
France

Contact: J-P Baconnet Tel +33 1 46 38 35 08
Fax +33 1 46 38 82 05
Scope of Registration: FTAM, MMS, and 8804-4

Type of Laboratory: MOT Qualification

Type of Registration (Full or Provisional): Full

Registered Until: 01-MAR-94

5.4.3 REGISTER OF CONFORMANCE TESTED GOSIP PRODUCTS

Product Code/Type: P-001 WAN Product ID: 174

Supplier: ALCATEL Data Networks, Inc.
12502 Sunrise Valley Drive
Reston, VA 22096

Contact: K. Trumble Tel: (703) 689-6287
Fax:

GOSIP Product Name, Release and Date:
TP4900/LPM Network
Release 6, 08-JUN-93
Date Registered: 19-JUL-93
Basis: BASE
Type: FULL, GOSIP VER 2

Hardware and Operating System Platforms: H/W: TP4900/LPM
O/S: Network
Release 6

Connectivity: V.35

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-2 AND ATS:2-1

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems
Development Group

Product Code/Type: P-001 WAN Product ID: 175

Supplier: ALCATEL Data Networks, Inc.
12502 Sunrise Valley Drive
Reston, VA 22096
Contact: K. Trumble Tel: (703) 689-6287
Fax:

GOSIP Product Name, Release and Date:
TP4900/TCP/CF Network Release 6 08-JUN-93

Registration: 19-JUL-93 Basis: BASE
Type: FULL, GOSIP Version 2

Hardware and Operating System Platforms: H/W: TP4900/TCP/CF
O/S: Network Release 6

Connectivity: V.35

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-2 AND ATS:2-1

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development
Group

Product Code/Type: P-001 WAN Product ID: 173

Supplier: ALCATEL Data Networks, Inc.
12502 Sunrise Valley Drive
Reston, VA 22096

Contact: K. Trumble Tel: (703) 689-6287
Fax:

GOSIP Product Name, Release and Date:
TP8000 Network Release 6
Version/Release: Release 6
Release Date: 08-JUN-93

Registration:
Date: 19-JUL-93 Basis: BASE
Type: FULL, GOSIP VER 2

Hardware and Operating System Platforms: H/W: TP8000
O/S: Network Release 6

Connectivity: RS-232

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-2 AND ATS:2-1
Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development
Group

Product Code/Type: P-001 WAN Product ID: 1

Supplier: AT & T Computer Systems
307 Middletown - Lincroft Road
Lincroft, NJ 07738
Contact: Reginald Lewis Tel: (908) 898-6005
Fax: (908) 898-3717
GOSIP Product Name, Release and Date:
A.T. & T. X.25 Network Interface Product
Version/Release: Release 2.0
Release Date: 01-JAN-91
Registration:
Date: 09-APR-91 Basis: BASE
Type: PROV, Grndfthrd, V1->V2
Hardware and Operating System Platforms:
AT & T 6386 StarServer S (or StarServer E),
UNIX System V, Release 4.0;
GPSC-AT, or GPSC-AT/E Synchronous Card
Connectivity: RS-232C, V.35, X.21bis

Underlying Stack: None
Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0363
Corporation for Open Systems International Test
Center

Product Code/Type: P-001 WAN Product ID: 93

Supplier: Bull Information Systems Incorporated
13430 North Black Canyon Highway
Phoenix, AZ 85029

Contact: Bill George Tel: (602) 862-6008
Fax: (602) 862-6105

GOSIP Product Name, Release, and Date:
DATANET DCP 7500
Version/Release: DNS Ver 4 U1
Release Date: 01-JAN-92

Registration:
Date: 13-NOV-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms: DCP 7500
O/S DNS Ver 4 Update 1

Connectivity: RS-232C

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0370
Conformance Expert Center for OSI Bull - CECOB

Product Code/Type: P-001 WAN Product ID: 91

Supplier: Bull Information Systems Incorporated
13430 North Black Canyon Highway
Phoenix, AZ 85029

Contact: Bill George Tel: (602) 862-6008
Fax: (602) 862-6105

GOSIP Product Name, Release and Date:
DPX/2 B.O.S. (Stack B)
Version/Release: Ver B.O.S. 2
Release Date: 01-OCT-92

Registration:
Date: 13-NOV-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
DPX/2 200 with MTB board, O/S B.O.S. 2

Connectivity: RS-232C

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0370
Conformance Expert Center for OSI Bull - CECOB

Product Code/Type: P-001 WAN Product ID: 92

Supplier: Bull Information Systems Incorporated
13430 North Black Canyon Highway
Phoenix, AZ 85029

Contact: Bill George Tel: (602) 862-6008
Fax: (602) 862-6105

GOSIP Product Name, Release and Date:
DPX/2 B.O.S. (Stack B)
Version/Release: Ver B.O.S. 2
Release Date: 01-OCT-92

Registration:
Date: 13-NOV-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
DPX/2 200 with ECP Board, O/S B.O.S. 2

Connectivity: RS-232C

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0370
Conformance Expert Center for OSI Bull - CECOB

Product Code/Type: P-001 WAN Product ID: 176

Supplier: Cisco Systems
1525 O'Brien Drive, P.O. Box 3075
Menlo Park, CA 94026-1435
Contact: William Miskovetz Tel: (415) 688-4682
Fax: (415) 688-4575
GOSIP Product Name, Release and Date:
AGS+/3 X.25 Version 2.0
Version/Release: Version 2.0
Release Date: 13-JUL-93
Registration:
Date: 02-AUG-93 Basis: BASE
Type: FULL, GOSIP Version 2
Hardware and Operating System Platforms: HW: AGS+/3
OS: gs3-k 9.1(30)
Connectivity: V.35

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-2 AND ATS:2-1

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-001 WAN Product ID: 177

Supplier: Cisco Systems
1525 O'Brien Drive, P.O. Box 3075
Menlo Park, CA 94026-1435

Contact: William Miskovetz Tel: (415) 688-4682
Fax: (415) 688-4575

GOSIP Product Name, Release and Date:
AGS+/4 X.25 Version 2.0
Version/Release: Version 2.0
Release Date: 13-JUL-93

Registration:
Date: 02-AUG-93 Basis: BASE
Type: FULL, GOSIP Version 2

Hardware and Operating System Platforms:
HW: AGS+/4
OS: gs3-k 9.1(30)

Connectivity: V.35

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-2 AND ATS:2-1

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-001 WAN Product ID: 178

Supplier: Cisco Systems
1525 O'Brien Drive, P.O. Box 3075
Menlo Park, CA 94026-1435

Contact: William Miskovetz Tel: (415) 688-4682
Fax: (415) 688-4575

GOSIP Product Name, Release and Date:
CGS/3 X.25 Version 2.0
Version/Release: Version 2.0
Release Date: 13-JUL-93

Registration:
Date: 02-AUG-93 Basis: BASE
Type: FULL, GOSIP Version 2

Hardware and Operating System Platforms:
HW: CGS/3
OS: gs3-k 9.1(30)

Connectivity: V.35

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-2 AND ATS:2-1

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-001 WAN Product ID: 179

Supplier: Cisco Systems
1525 O'Brien Drive, P.O. Box 3075
Menlo Park, CA 94026-1435

Contact: William Miskovetz Tel: (415) 688-4682
Fax: (415) 688-4575

GOSIP Product Name, Release and Date:
CGS/4 X.25 Version 2.0
Version/Release: Version 2.0
Release Date: 13-JUL-93

Registration:
Date: 02-AUG-93 Basis: BASE
Type: FULL, GOSIP Version 2

Hardware and Operating System Platforms:
HW: CGS/4
OS: gs3-k 9.1(30)

Connectivity: V.35

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-2 AND ATS:2-1

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-001 WAN Product ID: 180

Supplier: Cisco Systems
1525 O'Brien Drive, P.O. Box 3075
Menlo Park, CA 94026-1435

Contact: William Miskovetz Tel: (415) 688-4682
Fax: (415) 688-4575

GOSIP Product Name, Release and Date:
IGS/R X.25 Version 2.0
Version/Release: Version 2.0
Release Date: 13-JUL-93

Registration:
Date: 02-AUG-93 Basis: BASE
Type: FULL, GOSIP Version 2

Hardware and Operating System Platforms:
HW: IGS/R
OS: igs-kr 9.1(30)

Connectivity: V.35

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-2 AND ATS:2-1

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-001 WAN Product ID: 181

Supplier: Cisco Systems
1525 O'Brien Drive, P.O. Box 3075
Menlo Park, CA 94026-1435

Contact: William Miskovetz Tel: (415) 688-4682
Fax: (415) 688-4575

GOSIP Product Name, Release and Date:
MGS/3 X.25 Version 2.0
Version/Release: Version 2.0
Release Date: 13-JUL-93

Registration:
Date: 02-AUG-93 Basis: BASE
Type: FULL, GOSIP Version 2

Hardware and Operating System Platforms:
HW: MGS/3
OS: gs3-k 9.1(30)

Connectivity: RS-232

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-2 AND ATS:2-1

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-001 WAN Product ID: 182

Supplier: Cisco Systems
1525 O'Brien Drive, P.O. Box 3075
Menlo Park, CA 94026-1435

Contact: William Miskovetz Tel: (415) 688-4682
Fax: (415) 688-4575

GOSIP Product Name, Release and Date:
MGS/4 X.25 Version 2.0
Version/Release: Version 2.0
Release Date: 13-JUL-93

Registration:
Date: 02-AUG-93 Basis: BASE
Type: FULL, GOSIP Version 2

Hardware and Operating System Platforms:
HW: MGS/4
OS: gs3-k 9.1(30)

Connectivity: RS-232

Underlying Stack: None.

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-2 AND ATS:2-1

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-001 WAN Product ID: 31

Suplier: Control Data Corporation
4201 North Lexington Avenue
Arden Hills, MN 55126-6198

Contact: Ronald D Swan Tel: (612) 482-6527
Fax: (612) 465-4996

GOSIP Product Name, Release and Date:
CDCNET
Version/Release: Ver 1.6.1 L780A
Release Date: 01-MAR-92

Registration:
Date: 30-JAN-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
CDCNET Device Interface

Connectivity: RS-232C, X.21

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0354
Control Data Corporation, OSI Accredited Test Center

Product Code/Type: P-001 WAN Product ID: 40

Supplier: Data General Corporation
4400 Computer Drive, MS/D216
Westborough, MA 01580

Contact: Charles Stakus Tel: (508) 870-6392
Fax: (508) 898-4694

GOSIP Product Name, Release and Date:
X.25 for AViiON Systems
Version/Release: Rel 2.20
Release Date: 01-FEB-92

Registration:
Date: 18-FEB-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
AViiON 5000/6000 Series
DG/UX System for AViiON Systems Rev. 5.4.1

Connectivity: RS-232C

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0363
Corporation for Open Systems International Test Center

Product Code/Type: P-001 WAN Product ID: 161

Supplier: Digital Equipment Corp
550 King Street
Littleton, MA 01460-1289

Contact: Richard A Duhamel Tel: (508) 486-5021
Fax: (508) 486-7417

GOSIP Product Name, Release and Date:
DEC Wide Area Device Drivers for ULTRIX (Data Link Layer)
Version/Release: Ver 2.0
Release Date: 01-MAR-92

Registration:
Date: 19-MAR-93 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
MicroVAX/VAXstation 3000 Series
DEC ULTRIX Ver 4.2

Connectivity: X.21bis

Underlying Stack: None

Protocols and Profiles: X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0362
Digital Equipment Corp

Product Code/Type: P-001 WAN Product ID: 140

Supplier Digital Equipment Corp
550 King Street
Littleton, MA 01460-1289

Contact: Richard A Duhamel Tel: (508) 486-5021
Fax: (508) 486-7417

GOSIP Product Name, Release and Date:
DEC X.25 for ULTRIX
Version/Release: Ver 1.0
Release Date: 01-MAR-93

Registration:
Date: 19-MAR-93 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
MicroVAX/VAXstation 3000 Series
DEC ULTRIX Ver 4.2
Connectivity: X.25 LAP-B/X.21bis

Underlying Stack:
DEC Wide Area Device Drivers for ULTRIX Ver 2.0 01-MAR-92

Protocols and Profiles: X.25 PLP [ISO 8208:1990] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0362
Digital Equipment Corp

Product Code/Type: P-001 WAN Product ID: 100

Supplier: Digital Equipment Corp
550 King Street
Littleton, MA 01460-1289

Contact: Richard A Duhamel Tel: (508) 486-5021
Fax: (508) 486-7417

GOSIP Product Name, Release and Date:
VAX Packetnet System Interface for DECnet-VAX (TM)
Version/Release: Ver 5.4 Extensions
Release Date: 01-SEP-91

Registration:
Date: 26-JAN-93 Basis: BASE
Type: PROV, Grndfthrd, V1->V2
Hardware and Operating System Platforms:
MicroVAX 3800 with DSV11-SA Card
VMS Ver 5.4
Connectivity: X.25 LAP-B/X.21bis

Underlying Stack:
VAX Wide Area Network Device Drivers for DECnet-VAX(TM) Ver 5.4 Extensions

Protocols and Profiles: X.25 PLP [ISO 8208:1990] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0362
Digital Equipment Corp

Product Code/Type: P-001 WAN Product ID: 147

Supplier: Digital Equipment Corp
550 King Street
Littleton, MA 01460-1289

Contact: Richard A Duhamel Tel: (508) 486-5021
Fax: (508) 486-7417

GOSIP Product Name, Release and Date:
VAX Wide Area Networks Device Driver for DECnet-VAX (TM) (Data Link Layer)
Version/Release: Ver 5.4 Extensions
Release Date: 01-SEP-91

Registration:
Date: 26-JAN-93 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
MicroVAX 3800 with DSV11-SA Card
VMS Ver 5.4

Connectivity: X.21bis

Underlying Stack: None

Protocols and Profiles: X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0362
Digital Equipment Corp

Product Code/Type: P-001 WAN Product ID: 172

Supplier: Digital Equipment Corporation
Imperial Way
Reading, Berks RG20TE United Kingdom

Contact: Ken Chamberlain Tel:
Fax:

GOSIP Product Name, Release and Date:
DEC Network Integration Server Software (DECNIS)
Version/Release: Ver 2.1
Release Date: 30-APR-93

Registration:
Date: 29-JUL-93 Basis: BASE
Type: FULL, GOSIP Version 2

Hardware and Operating System Platforms:
HW: DECNIS 500, DECNIS 600
OS: DECNIS V2.1 with embedded OS

Connectivity: V.35

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-1 AND ATS:2-2

Conformance Lab: NVLAP# 0362
Digital Equipment Corp

Product Code/Type: P-001 WAN Product ID: 47

Supplier: Encore Computing Corporation
6901 West Sunrise Boulevard
Ft. Lauderdale, FL 33313-4499
Contact: Augie Gonzales Tel: (305) 587-2900
Fax: (305) 797-5807
GOSIP Product Name, Release and Date:
Encore Infinity 90 Series GPIO I with EnComm X.25 and PAD
Version/Release: Rev 3.0
Release Date: 01-JUL-92
Registration:
Date: 24-JUN-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2
Hardware and Operating System Platforms:
ENCORE Infinity 90 Series GPIO with VME Serial Synchronous Controller (VSSC) Model 8523-443 UMAX 3.0.7
Connectivity: RS-232C

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-001 WAN Product ID: 18

Supplier: Harris Adacom Corporation
16001 Dallas Parkway
Dallas, TX 75248

Contact: Gregory Prynn Tel: (214) 386-2000
Fax: (214) 386-2524

GOSIP Product Name, Release and Date:
Challenger ES/174-10
Version/Release: Rel 2.1
Release Date: 07-OCT-91

Registration:
Date: 30-OCT-91 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
Challenger ES/174-10 Ver 2.1

Connectivity: RS-232C

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-001 WAN Product ID: 17

Supplier: Harris Adacom Corporation
16001 Dallas Parkway
Dallas, TX 75248
Contact: Gregory Prynn Tel: (214) 386-2000
Fax: (214) 386-2524

GOSIP Product Name, Release and Date:
Challenger ES/174-20
Version/Release: Rel 2.1
Release Date: 07-OCT-91
Registration:
Date: 17-OCT-91 Basis: BASE
Type: PROV, Grndfthrd, V1->V2
Hardware and Operating System Platforms:
Challenger ES/174-20 Rel 2.1
DTE/DCE Environment
Connectivity: RS-232C

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-001 WAN Product ID: 19

Supplier: Harris Adacom Corporation
16001 Dallas Parkway
Dallas, TX 75248

Contact: Gregory Prynn Tel: (214) 386-2000
Fax: (214) 386-2524

GOSIP Product Name, Release and Date:
Challenger ES/174-60
Version/Release: Rel 2.1
Release Date: 07-OCT-91

Registration:
Date: 30-OCT-91 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
Challenger ES/174-60 Ver 2.1

Connectivity: RS-232C

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-001 WAN Product ID: 45

Supplier: IBM Corporation
P.O. Box 12195
Research Triangle Park, NC 27709-2195

Contact: John P Streck Tel: (919) 254-4360
Fax: (919) 254-5410

GOSIP Product Name, Release and Date:
IBM 6611 Network Processor Model 140
Version/Release: Ver 1.0
Release Date: 26-JUN-92

Registration:
Date: 25-MAR-92 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
IBM 6611 Network Processor
Based on IBM AIX Ver 3.2 for RISC Sys/6000
IBM Multiprotocol Network Program

Connectivity: V.24 or RS-232C, V.35, X.21bis

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0361
IBM Corportation - Networking Systems Protocol Center

Product Code/Type: P-001 WAN Product ID: 46

Supplier: IBM Corporation
P.O. Box 12195
Research Triangle Park, NC 27709-2195

Contact: John P Streck Tel: (919) 254-4360
Fax: (919) 254-5410

GOSIP Product Name, Release and Date:
IBM 6611 Network Processor Model 170
Version/Release: Ver 1.0
Release Date: 26-JUN-92

Registration:
Date: 25-MAR-92 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms: 0055
IBM 6611 Network Processor
Based on IBM AIX Ver 3.2 for RISC Sys/6000
IBM Multiprotocol Network Program

Connectivity: V.24 or RS-232C, V.35, X.21bis

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0361
IBM Corportation - Networking Systems Protocol Center

Product Code/Type: P-001 WAN Product ID: 16

Supplier: IBM Corporation
P.O. Box 12195
Research Triangle Park, NC 27709-2195

Contact: John P Streck Tel: (919) 254-4360
Fax: (919) 254-5410

GOSIP Product Name, Release and Date:
IBM AS/400 X.25 Communication Support Program
Version/Release: Ver 2 Rel 1
Release Date: 24-MAY-91

Registration:
Date: 25-SEP-91 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
Processor IBM 9406
OS/400 Ver 2 Rel 1

Connectivity: V.24 or RS-232C, V.35, X.21bis

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0361
IBM Corportation - Networking Systems Protocol Center

Product Code/Type: P-001 WAN Product ID: 15

Supplier: IBM Corporation
P.O. Box 12195
Research Triangle Park, NC 27709-2195

Contact: John P Streck Tel: (919) 254-4360
Fax: (919) 254-5410

GOSIP Product Name, Release and Date:
IBM AS/400 X.25 Communication Support Program
Version/Release: Ver 2 Rel 1
Release Date: 24-MAY-91
Registration:
Date: 25-SEP-91 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
Processor IBM 9402, 9404
OS/400 Ver 2 Rel 1

Connectivity: V.24 or RS-232C, V.35, X.21bis

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0361
IBM Corportation - Networking Systems Protocol Center

Product Code/Type: P-001 WAN Product ID: 5

Supplier: IBM Corporation
P.O. Box 12195
Research Triangle Park, NC 27709-2195
Contact: John P Streck Tel: (919) 254-4360
Fax: (919) 254-5410
GOSIP Product Name, Release and Date:
IBM X.25 NCP Packet Switching Interface
Version/Release: Ver 3 Rel 4
Release Date: 28-JUN-91
Registration:
Date: 10-JUL-91 Basis: BASE
Type: PROV, Grndfthrd, V1->V2
Hardware and Operating System Platforms:
Communications Controllers IBM 3745
MVS/XA
Network Control Program (NCP) V5R4
System Support Program (SSP) V3R6
Virtual Telecommunications Access Method (VTAM) Ver 3
Connectivity: V.24 or RS-232C, V.35, X.21bis

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: NVLAP# 0361
IBM Corportation - Networking Systems Protocol Center

Product Code/Type: P-001 WAN Product ID: 2

Supplier: IBM Corporation
P.O. Box 12195
Research Triangle Park, NC 27709-2195
Contact: John P Streck Tel: (919) 254-4360
Fax: (919) 254-5410

GOSIP Product Name, Release and Date:
IBM X.25 NCP Packet Switching Interface
Version/Release: Ver 3 Rel 4
Release Date: 28-JUN-91

Registration:
Date: 10-JUL-91 Basis: BASE
Type: PROV, Grndfthrd, V1->V2
Hardware and Operating System Platforms:
Communications Controllers IBM 3745
MVS/SP
Network Control Program (NCP) V5R4
System Support Program (SSP) V3R6
Virtual Telecommunications Access Method (VTAM) Ver 3
Connectivity: V.24 or RS-232C, V.35, X.21bis

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0361
IBM Corportation - Networking Systems Protocol Center

Product Code/Type: P-001 WAN Product ID: 9

Supplier: IBM Corporation
P.O. Box 12195
Research Triangle Park, NC 27709-2195
Contact: John P Streck Tel: (919) 254-4360
Fax: (919) 254-5410
GOSIP Product Name, Release and Date:
IBM X.25 NCP Packet Switching Interface
Version/Release: Ver 3 Rel 4
Release Date: 28-JUN-91
Registration:
Date: 10-JUL-91 Basis: DERIVED
Type: PROV, Gmdfthrd, V1->V2
Hardware and Operating System Platforms:
Communications Controllers IBM 3745
MVS/ESA
Network Control Program (NCP) V5R4
System Support Program (SSP) V3R6
Virtual Telecommunications Access Method (VTAM) Version 3
Connectivity: V.24 or RS-232C, V.35, X.21bis

Underlying Stack: None
Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0361
IBM Corportation - Networking Systems Protocol Center

Product Code/Type: P-001 WAN Product ID: 7

Supplier: IBM Corporation
P.O. Box 12195
Research Triangle Park, NC 27709-2195
Contact: John P Streck Tel: (919) 254-4360
Fax: (919) 254-5410
GOSIP Product Name, Release and Date:
IBM X.25 NCP Packet Switching Interface
Version/Release: Ver 3 Rel 4
Release Date: 28-JUN-91
Additional Info:
Registration:
Date: 10-JUL-91 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
Communications Controllers IBM 3745
VM/SP
Network Control Program (NCP) V5R4
System Support Program (SSP) V3R6
Virtual Telecommunications Access Method (VTAM) Version 3
Connectivity: V.24 or RS-232C, V.35, X.21bis

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0361
IBM Corportation - Networking Systems Protocol Center

Product Code/Type: P-001 WAN Product ID: 6

Supplier: IBM Corporation
P.O. Box 12195
Research Triangle Park, NC 27709-2195
Contact: John P Streck Tel: (919) 254-4360
Fax: (919) 254-5410
GOSIP Product Name, Release and Date:
IBM X.25 NCP Packet Switching Interface
Version/Release: Ver 3 Rel 4
Release Date: 28-JUN-91
Registration:
Date: 10-JUL-91 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2
Hardware and Operating System Platforms:
Communications Controllers IBM 3745
VM/XA
Network Control Program (NCP) V5R4
System Support Program (SSP) V3R6
Virtual Telecommunications Access Method (VTAM) Version 3
Connectivity: V.24 or RS-232C, V.35, X.21bis
Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0361
IBM Corportation - Networking Systems Protocol Center

Product Code/Type: P-001 WAN Product ID: 12

Supplier: IBM Corporation
P.O. Box 12195
Research Triangle Park, NC 27709-2195
Contact: John P Streck Tel: (919) 254-4360
Fax: (919) 254-5410
GOSIP Product Name, Release and Date:
IBM X.25 NCP Packet Switching Interface
Version/Release: Ver 3 Rel 4
Release Date: 28-JUN-91

Registration:
Date: 10-JUL-91 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
Communications Controllers IBM 3720
MVS/SP
Network Control Program (NCP) V5R4
System Support Program (SSP) V3R6
Virtual Telecommunications Access Method (VTAM) Version 3
Connectivity: V.24 or RS-232C, V.35, X.21bis

Underlying Stack: None
Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0361
IBM Corportation - Networking Systems Protocol Center

Product Code/Type: P-001 WAN Product ID: 14

Supplier: IBM Corporation
P.O. Box 12195
Research Triangle Park, NC 27709-2195
Contact: John P Streck Tel: (919) 254-4360
Fax: (919) 254-5410
GOSIP Product Name, Release and Date:
IBM X.25 NCP Packet Switching Interface
Version/Release: Ver 3 Rel 4
Release Date: 28-JUN-91
Registration:
Date: 10-JUL-91 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2
Hardware and Operating System Platforms:
Communications Controllers IBM 3720
VM/SP
Network Control Program (NCP) V5R4
System Support Program (SSP) V3R6
Virtual Telecommunications Access Method (VTAM) Version 3
Connectivity: V.24 or RS-232C, V.35, X.21bis

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2
Conformance Lab: NVLAP# 0361
IBM Corportation - Networking Systems Protocol Center

Product Code/Type: P-001 WAN Product ID: 11

Supplier: IBM Corporation
P.O. Box 12195
Research Triangle Park, NC 27709-2195
Contact: John P Streck Tel: (919) 254-4360
Fax: (919) 254-5410
GOSIP Product Name, Release and Date:
IBM X.25 NCP Packet Switching Interface
Version/Release: Ver 3 Rel 4
Release Date: 28-JUN-91

Registration:
Date: 10-JUL-91 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
Communications Controllers IBM 3720
MVS/XA
Network Control Program (NCP) V5R4
System Support Program (SSP) V3R6
Virtual Telecommunications Access Method (VTAM) Version 3
Connectivity: V.24 or RS-232C, V.35, X.21bis

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0361
IBM Corportation - Networking Systems Protocol Center

Product Code/Type: P-001 WAN Product ID: 10

Supplier: IBM Corporation
P.O. Box 12195
Research Triangle Park, NC 27709-2195
Contact: John P Streck Tel: (919) 254-4360
Fax: (919) 254-5410
GOSIP Product Name, Release and Date:
IBM X.25 NCP Packet Switching Interface
Version/Release: Ver 3 Rel 4
Release Date: 28-JUN-91
Registration:
Date: 10-JUL-91 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
Communications Controllers IBM 3720
VM/XA
Network Control Program (NCP) V5R4
System Support Program (SSP) V3R6
Virtual Telecommunications Access Method (VTAM) Version 3

Connectivity: V.24 or RS-232C, V.35, X.21bis

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0361
IBM Corportation - Networking Systems Protocol Center

Product Code/Type: P-001 WAN Product ID: 8

Supplier: IBM Corporation
P.O. Box 12195
Research Triangle Park, NC 27709-2195
Contact: John P Streck Tel: (919) 254-4360
Fax: (919) 254-5410
GOSIP Product Name, Release and Date:
IBM X.25 NCP Packet Switching Interface
Version/Release: Ver 3 Rel 4
Release Date: 28-JUN-91
Registration:
Date: 10-JUL-91 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
Communications Controllers IBM 3720
MVS/ESA
Network Control Program (NCP) V5R4
System Support Program (SSP) V3R6
Virtual Telecommunications Access Method (VTAM) Version 3
Connectivity: V.24 or RS-232C, V.35, X.21bis
Underlying Stack: None
Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0361
IBM Corportation - Networking Systems Protocol Center

Product Code/Type: P-001 WAN Product ID: 183

Supplier: International Business Machines Corporation
3605 Highway 52 North
Rochester, MN 55901-7829

Contact: Glenn Van Benschoten Tel: (507)253-5723
Fax:
GOSIP Product Name, Release and Date:
AS/400 X.25 Communication Support
Version/Release: Version 2 Release 3
Release Date: 05-NOV-93
Registration:
Date: 03-AUG-93 Basis: BASE
Type: FULL, GOSIP Version 2
Hardware and Operating System Platforms:
HW: IBM 9402, 9404, 9406
OS: OS/400 Version 2 Release 3

Connectivity: RS-232C, V.35

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {ISO 8208}
X.25 LAP-B [ISO 7776:1986] {ISO 7776}
ATS Used: ATS:2-2 and ATS:2-1

Conformance Lab: NVLAP# 0361
IBM Corportation - Networking Systems Protocol Center

Product Code/Type: P-001 WAN Product ID: 43

Supplier: International Business Machines Corporation
11400 Burnet Road
Austin, TX 78758-3493

Contact: John P Streck Tel: (919) 254-4360
Fax: (919) 254-5410

GOSIP Product Name, Release and Date:
IBM AIX FOR RISC SYSTEM/6000, X.25 WAN SPT, FOR IBM 7015, All Models
Version/Release: Ver 3.2
Release Date: 28-FEB-92

Registration:
Date: 25-MAR-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
RISC System/6000 Products
Operating System IBM AIX Version 3.2 For RISC System/6000

Connectivity: V.24 or RS-232C, V.35, X.21bis

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0361
IBM Corportation - Networking Systems Protocol Center

Product Code/Type: P-001 WAN Product ID: 41

Supplier: International Business Machines Corporation
11400 Burnet Road
Austin, TX 78758-3493

Contact: John P Streck Tel: (919) 254-4360
Fax: (919) 254-5410

GOSIP Product Name, Release and Date:
IBM AIX for RISC System/6000, X.25 WAN Spt, for IBM 7012, All Models
Version/Release: Ver 3.2
Release Date: 28-FEB-92

Registration:
Date: 25-MAR-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
RISC System/6000 Products
Operating System IBM AIX Version 3.2 For RISC System/6000

Connectivity: V.24 or RS-232C, V.35, X.21bis

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0361
IBM Corportation - Networking Systems Protocol Center

Product Code/Type: P-001 WAN Product ID: 44

Supplier: International Business Machines Corporation
11400 Burnet Road
Austin, TX 78758-3493

Contact: John P Streck Tel: (919) 254-4360
Fax: (919) 254-5410

GOSIP Product Name, Release and Date:
IBM AIX for RISC System/6000, X.25 WAN Spt, for IBM 7016, All Models
Version/Release: Ver 3.2
Release Date: 28-FEB-92

Registration:
Date: 25-MAR-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
RISC System/6000 Products
Operating System IBM AIX Version 3.2 For RISC System/6000

Connectivity: V.24 or RS-232C, V.35, X.21bis

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0361
IBM Corportation - Networking Systems Protocol Center

Product Code/Type: P-001 WAN Product ID: 39

Supplier: International Business Machines Corporation
11400 Burnet Road
Austinl, TX 78758-3493

Contact: John P Streck Tel: (919) 254-4360
Fax: (919) 254-5410

GOSIP Product Name, Release and Date:
IBM AIX for RISC System/6000, X.25 WAN Support, IBM 7011, All Models
Version/Release: Ver 3.2
Release Date: 28-FEB-92

Registration:
Date: 25-MAR-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
RISC System/6000 Products
Operating System IBM AIX Version 3.2 For RISC System/6000

Connectivity: V.24 or RS-232C, V.35, X.21bis

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0361
IBM Corportation - Networking Systems Protocol Center

Product Code/Type: P-001 WAN Product ID: 42

Supplier: International Business Machines Corporation
11400 Burnet Road
Austin, TX 78758-3493

Contact: John P Streck Tel: (919) 254-4360
Fax: (919) 254-5410

GOSIP Product Name, Release and Date:
IBM AIX for RISC System/6000, X.25 WAN Support, for IBM 7013, All Models
Version/Release: Ver 3.2
Release Date: 28-FEB-92
Registration:
Date: 25-MAR-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
RISC System/6000 Products
Operating System IBM AIX Version 3.2 For RISC System/6000

Connectivity: V.24 or RS-232C, V.35, X.21bis

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0361
IBM Corportation - Networking Systems Protocol Center

Product Code/Type: P-001 WAN Product ID: 102

Supplier: International Business Machines Corporation
3605 Highway 52 North
Rochester, MN 55901-7829

Contact: John P Streck Tel: (919) 254-4360
Fax: (919) 254-5410

GOSIP Product Name, Release and Date:
IBM AS/400 X.25
Version/Release: Ver 2 Rel 2
Release Date: 25-SEP-92
Registration:
Date: 13-NOV-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2
Hardware and Operating System Platforms:
AS/400 Model IBM 9404
OS/400 Ver 2 Rel 2
Connectivity: RS-232C, V.35

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0361
IBM Corportation - Networking Systems Protocol Center

Product Code/Type: P-001 WAN Product ID: 103

Supplier: International Business Machines Corporation
3605 Highway 52 North
Rochester, MN 55901-7829

Contact: John P Streck Tel: (919) 254-4360
Fax: (919) 254-5410

GOSIP Product Name, Release and Date:
IBM AS/400 X.25 Communication Support
Version/Release: Ver 2 Rel 2
Release Date: 26-JUN-92

Registration:
Date: 13-NOV-92 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
AS/400 Model IBM 9402, 9406
OS/400 Ver 2 Rel 2
Connectivity: RS-232C, V.35

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0361
IBM Corportation - Networking Systems Protocol Center

Product Code/Type: P-001 WAN Product ID: 125

Supplier: International Business Machines Corporation
3605 Highway 52 North
Rochester, MN 55901-7829
Contact: John P Streck Tel: (919) 254-4360
Fax: (919) 254-5410

GOSIP Product Name, Release and Date:
IBM AS/400 X.25 Communications Support
Version/Release: Ver 2, Rel 1.1
Release Date: 26-JUN-92
Registration:
Date: 13-NOV-92 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2
Hardware and Operating System Platforms:
IBM AS/400 Models 9402, 9404, 9406
OS/400 Ver 2 Rel 1.1

Connectivity: RS-232C, V.35

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0361
IBM Corportation - Networking Systems Protocol Center

Product Code/Type: P-001 WAN Product ID: 104

Supplier: International Business Machines Corporation
3605 Highway 52 North
Rochester, MN 55901-7829

Contact: John P Streck Tel: (919) 254-4360
Fax: (919) 254-5410

GOSIP Product Name, Release and Date:
X.25 Network Control Program Packet Switching Interface
Version/Release: Ver 3 Rel 5
Release Date: 25-SEP-92

Registration:
Date: 13-NOV-92 Basis: BASE
Type: PROV, Gmdfthrd, V1->V2

Hardware and Operating System Platforms:
IBM 3745 Communication Controller
Network Control Program Ver 6

Connectivity: RS-232C, V.35

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0361
IBM Corportation - Networking Systems Protocol Center

Product Code/Type: P-001 WAN Product ID: 162

Supplier: International Business Machines Corporation
P.O. Box 12195
Research Triangle Park, NC 27709

Contact: Miriam Green Tel: (919) 254-6323
Fax:
GOSIP Product Name, Release and Date:
X.25 Network Control Program Packet Switching Interface
Version/Release: Version 3 Release 6
Release Date: 30-APR-93
Registration:
Date: 28-MAY-93 Basis: BASE
Type: FULL, GOSIP VER 2
Hardware and Operating System Platforms:
IBM 3745
Network Control Program Ver 6 Rel 2
Connectivity: V.24 or RS-232C (X.21bis), V.35
X.21 switched and non-switched
ISDN via X.21 (IBM 7820 Terminal Adaptor)
Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {ISO 8208}
X.25 LAP-B [ISO 7776:1986] {ISO 7776}
ATS Used: ATS:2-1 and ATS:2-2

Conformance Lab: NVLAP# 0361
IBM Corportation - Networking Systems Protocol Center

Product Code/Type: P-001 WAN Product ID: 22

Supplier: MEMOREX TELEX Corporation - Federal Systems
205 Van Buren Steet, Suite #180
Herndon, VA 22070

Contact: Kevin Good Tel: (703) 318-5600
Fax: (703) 318-7575

GOSIP Product Name, Release and Date:
1174-10R
Version/Release: Ver B1.3
Release Date: 17-OCT-91

Registration:
Date: 30-OCT-91 Basis: DERIVED
Type: PROV, Gmdfthrd, V1->V2

Hardware and Operating System Platforms:
1174-10R Ver B1.3

Connectivity: RS-232C

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-001 WAN Product ID: 20

Supplier: MEMOREX TELEX Corporation - Federal Systems
205 Van Buren Steet, Suite #180
Herndon, VA 22070
Contact: Kevin Good Tel: (703) 318-5600
Fax: (703) 318-7575
GOSIP Product Name, Release and Date:
1174-60R
Version/Release: Ver B1.3
Release Date: 17-OCT-91
Registration:
Date: 30-OCT-91 Basis: BASE
Type: PROV, Gmdfthrd, V1->V2

Hardware and Operating System Platforms:
1174-60R Ver B1.3
Connectivity:
RS-232C

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-001 WAN Product ID: 21

Supplier: MEMOREX TELEX Corporation - Federal Systems
205 Van Buren Steet, Suite #180
Herndon, VA 22070

Contact: Kevin Good Tel: (703) 318-5600
Fax: (703) 318-7575

GOSIP Product Name, Release and Date:
1174-90R
Version/Release: Ver B1.3
Release Date: 17-OCT-91

Registration:
Date: 30-OCT-91 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
1174-90R Ver B1.3

Connectivity: RS-232C

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-001 WAN Product ID: 27

Supplier: McData Corporation
310 Interlocken Parkway
Broomfield, CO 80021-3464

Contact: Steve Cartwright Tel: (303) 460-9200
Fax:

GOSIP Product Name, Release and Date:
LinkMaster 7100 Model 20R
Version/Release: Rel 3.0
Release Date: 11-NOV-91

Registration:
Date: 17-DEC-91 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
LinkMaster 7100 Model 20R

Connectivity: RS-232C, V.35, X.21

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-001 WAN Product ID: 29

Supplier: McData Corporation
310 Interlocken Parkway
Broomfield, CO 80021-3464

Contact: Steve Cartwright Tel: (303) 460-9200
Fax:

GOSIP Product Name, Release and Date:
LinkMaster 7100 Model 10
Version/Release: Rel 3.0
Release Date: 11-NOV-91

Registration:
Date: 29-JAN-92 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
LinkMaster 7100 Model 10

Connectivity: RS-232C, V.35, X.21

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-001 WAN Product ID: 30

Supplier: McData Corporation
310 Interlocken Parkway
Broomfield, CO 80021-3464

Contact: Steve Cartwright Tel: (303) 460-9200
Fax:

GOSIP Product Name, Release and Date:
LinkMaster 7100 Model 60
Version/Release: Rel 3.0
Release Date: 11-NOV-91

Registration:
Date: 29-JAN-92 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
LinkMaster 7100 Model 60

Connectivity: RS-232C, V.35

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-001 WAN Product ID: 28

Supplier: McData Corporation
310 Interlocken Parkway
Broomfield, CO 80021-3464

Contact: Steve Cartwright Tel: (303) 460-9200
Fax:

GOSIP Product Name, Release and Date:
LinkMaster 7100 Model 90
Version/Release: Rel 3.0
Release Date: 11-NOV-91

Registration:
Date: 29-JAN-92 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
LinkMaster 7100 Model 90

Connectivity: RS-232C, V.35

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-001 WAN Product ID: 62

Supplier: NCR
9900 Old Grove Road
San Diego, CA 92131
Contact: Wendy Morrison Tel: (619) 693-5665
Fax: (619) 693-5705

GOSIP Product Name, Release and Date:
1) NCR MUOE HDLC [lower layer] 2) NCR System 3000, X.25 Network Services (V1.04)
Version/Release: Ver 1.04 Rel 1
Release Date: 01-AUG-92
Registration:
Date: 09-SEP-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2
Hardware and Operating System Platforms:
NCR System 3000 Consisting of the following Hardware Models 3320, 3340, 3345, 3447, 3450, 3550, and 3600, NCR UNIX SVR4,(MP-RAS), Release 2
Connectivity: RS-232C
Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0363
Corporation for Open Systems International Test Center

Product Code/Type: P-001 WAN Product ID: 64

Supplier: NETRIX Corporation
13595 Dulles Technology Drive
Herndon, VA 22071

Contact: Ted Ritter Tel: (703) 742-6000
Fax: (703) 742-4048

GOSIP Product Name, Release and Date:
NETRIX #1-ISS GOSIP X.25, GOSIP X.25 INTERFACE MODULE
Version/Release: Ver 1.0 Rel 1
Release Date: 01-SEP-92

Registration:
Date: 06-OCT-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
Netrix #1-ISS Series 1.0, Netrix Operating System Rel 2.7
Connectivity: RS-232C

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-001 WAN Product ID: 143

Supplier: NETRIX Corporation
13595 Dulles Technology Drive
Herndon, VA 22071
Contact: Ted Ritter Tel: (703) 742-6000
Fax: (703) 742-4048
GOSIP Product Name, Release and Date:
NETRIX #1-ISS GOSIP X.25, GOSIP X.25 INTERFACE MODULE
Version/Release: Ver 1.0 Rel 1
Release Date: 01-SEP-92

Registration:
Date: 31-MAR-93 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2
Hardware and Operating System Platforms:
Netrix #1-ISS Series 1000
Netrix OS Rel 1.1
Connectivity: RS-232C

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-001 WAN Product ID: 165

Supplier: NETRIX Corporation
13595 Dulles Technology Drive
Herndon, VA 22071
Contact: Ted Ritter Tel: (703) 742-6000
Fax: (703) 742-4048

GOSIP Product Name, Release and Date:
Netrix BRX GOSIP X.25 Interface Module 1.0
Version/Release: Version 1.0
Release Date: 01-JUN-93

Registration:
Date: 24-JUN-93 Basis: BASE
Type: FULL, GOSIP Version 2

Hardware and Operating System Platforms:
H/W BRX Branch Router/Concentrator
O/S BRX O/S Rel 3.3

Connectivity: V.35

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-2 and ATS:2-1

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-001 WAN Product ID: 164

Supplier: NETRIX Corporation
13595 Dulles Technology Drive
Herndon, VA 22071
Contact: Ted Ritter Tel: (703) 742-6000
Fax: (703) 742-4048
GOSIP Product Name, Release and Date:
Netrix S100 GOSIP X.25 Interface Module 1.0
Version/Release: Version 1.0
Release Date: 01-JUN-93

Registration:
Date: 24-JUN-93 Basis: BASE
Type: FULL, GOSIP Version 2

Hardware and Operating System Platforms:
H/W Netrix Series 100
O/S S100 O/S Rel 2.1
Connectivity: RS-232

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-2 and ATS:2-1

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-001 WAN Product ID: 168

Supplier: Northern Telecom Attn: NORTEL Federal Systems
2010 Corporate Ridge, Suite 800
McLean, VA 22102

Contact: Torre Albritton Tel: 703-712-8764
Fax: 703-712-8982

GOSIP Product Name, Release and Date:
Magellan DPN-100
Version/Release: G30S002
Release Date: 01-JAN-93

Registration:
Date: 08-JUL-93 Basis: BASE
Type: FULL, GOSIP Version 2

Hardware and Operating System Platforms:
HW: Magellan DPN-100
OS: Magellan DPN-100 G30

Connectivity: RS-232

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {ISO 8208}
X.25 LAP-B [ISO 7776:1986] {ISO 7776}
ATS Used: ATS:2-2 and ATS:2-1

Conformance Lab: NVLAP# 0363
Corporation for Open Systems International Test Center

Product Code/Type: P-001 WAN Product ID: 152

Supplier: SUN MicroSystems, Inc. International Centre for Network Computing
32 Rue du Vieux Chene
F-38240 Meylan France
Contact: Tom Hull Tel: +33 76 41 42 18
Fax: +33 76 41 42 41
GOSIP Product Name, Release and Date:
SUNLink X.25 8.0 Rev B
Version/Release: 8.0 Rev B
Release Date: 01-JUN-93

Registration:
Date: 06-MAY-93 Basis: BASE
Type: FULL, GOSIP VER 2
Hardware and Operating System Platforms:
SPARCstation 10 Model 41
Solaris 2.1
Connectivity: RS-232C

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-1 and ATS:2-2

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-001 WAN Product ID: 65

Supplier: SUN MicroSystems, Inc. International Centre for Network Computing
32 Rue du Vieux Chene
F-38240 Meylan, France

Contact: Tom Hull Tel: +33 76 41 42 18
Fax: +33 76 41 42 41

GOSIP Product Name, Release and Date:
SUNNet X.25
Version/Release: Ver 7.0.1 Rel 1
Release Date: 01-OCT-92

Registration:
Date: 07-OCT-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2
Hardware and Operating System Platforms:
SUN 4/75
SUNNet O/S 4.1.2 (Solaris 1.0.1)

Connectivity: RS-232C

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-001 WAN Product ID: 151

Supplier: Sync Research, Incorporated
7 Studebaker
Irvine, CA 92718
Contact: Sal Mungo Tel: (714) 588-2070
Fax: (714) 588-2080
GOSIP Product Name, Release and Date:
Network Access Concentrator (NAC) 4000
Version/Release: Ver 8.150
Release Date: 31-MAY-93
Registration:
Date: 29-APR-93 Basis: BASE
Type: FULL, GOSIP VER 2

Hardware and Operating System Platforms:
Network Access Concentrator (NAC) 4000
Proprietary

Connectivity: V.24, RS-232C, V.35

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-1 and ATS:2-2

Conformance Lab: NVLAP# 0361
IBM Corportation - Networking Systems Protocol Center

Product Code/Type: P-001 WAN Product ID: 153

Supplier: Sync Research, Incorporated
7 Studebaker
Irvine, CA 92718

Contact: Sal Mungo Tel: (714) 588-2070
Fax: (714) 588-2080

GOSIP Product Name, Release and Date:
SNA Network Access Converter (SNAC) 6000
Version/Release: Ver 10.010
Release Date: 30-SEP-93

Registration:
Date: 06-MAY-93 Basis: DERIVED
Type: FULL, GOSIP VER 2

Hardware and Operating System Platforms:
Network Access Concentrator (NAC) 4000 SNAC 6000
Proprietary
Connectivity: V.24, RS-232C, V.35

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-1 and ATS:2-2

Conformance Lab: NVLAP# 0361
IBM Corportation - Networking Systems Protocol Center

Product Code/Type: P-001 WAN Product ID: 185

Supplier: Telematics International
1201 Cypress Creek Road
Fort Lauderdale, FL 33309
Contact: Terry Rihel Tel: (818) 880-4900
Fax: (818) 880-4726
GOSIP Product Name, Release and Date:
ACP50 X25 Version 10.04
Version/Release: Version 10.04
Release Date: 30-JUL-93
Registration:
Date: 05-AUG-93 Basis: BASE
Type: FULL, GOSIP Version 2

Hardware and Operating System Platforms:
HW: ACP50
OS: N/A

Connectivity: RS-232

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:2-1 and ATS:2-2

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-001 WAN Product ID: 131

Supplier: UNISYS Corporation
8008 West Park Drive
McLean, VA 22102

Contact: Dale Pluta Tel: (703) 556-5682
Fax: (703) 556-5172

GOSIP Product Name, Release and Date:
CP2000 X.25 Protocol
Version/Release: Ver 30.00.192
Release Date: 30-SEP-92
Additional Info:

Registration:
Date: 01-FEB-93 Basis: BASE
Type: PROV, Grndfthrd, V1->V2
Hardware and Operating System Platforms:
CP2000 with LMH Card, O/S CP2000 Operating Software Ver 3.0

Connectivity: RS-232C

Underlying Stack: None

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0367
UNISYS - Open Systems Interconnection Laboratory

Product Code/Type: P-001 WAN Product ID: 69

Supplier: UNISYS Corporation
8008 Westbrook Drive
McLean, VA 22102
Contact: Keith Fretz Tel: (703) 556-5665
Fax: (703) 556-5172
GOSIP Product Name, Release and Date:
X.25 PSCS
Version/Release: 51RA & PCRs UP TO 1929 INCLUSIVE
Release Date: 01-OCT-92

Registration:
Date: 19-OCT-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
DCP-15, DCP/OS 5R2A, TELCON 9R1A

Connectivity: RS-232C, V.35

Underlying Stack: None.

Protocols and Profiles: X.25 PLP/(X.25 LAP-B)
X.25 PLP [ISO 8208:1990] {CCITT 1984}
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}
ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: NVLAP# 0367
UNISYS - Open Systems Interconnection Laboratory

Product Code/Type: P-002 LAN Product ID: 37

Supplier: 3Com Corporation
5600 Bayfront Plaza, PO Box 58145
Santa Clara, CA 95052-8145

Contact: Howard Chan Tel: (408) 764-5827
Fax:

GOSIP Product Name, Release and Date:
Etherlink 16, 3C507
Version/Release: Rev A
Release Date: 01-AUG-90

Registration:
Date: 14-FEB-92 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
PC AT 80386, MS DOS 3.3

Connectivity:
PLS{802.3}/10Base5

Underlying Stack: Information not available

Protocols and Profiles: MAC[ISO 8802-3:1989]

ATS Used: ATS:1-3

Conformance Lab: NVLAP# 0363
Corporation for Open Systems International Test Center

Product Code/Type: P-002 LAN Product ID: 3

Supplier: Bull Information Systems Incorporated
Technology Park
Billerica, MA 01821-4199
Contact: Kenneth B Finkenauer Tel: (508) 294-2909
Fax:
GOSIP Product Name, Release and Date:
Local Area Controller Subsystem (LACS)
Version/Release:
Release Date:

Registration:
Date: 01-APR-91 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
DPS6000/HVS6 Release 2

Connectivity: 10Base5

Underlying Stack: None

Protocols and Profiles: LLC1{802.2}/MAC & PLS{802.3}
LLC1 [ISO 8802-2:1989]
MAC [ISO 8802-3:1989]
PLS [ISO 8802-3:1989]
ATS Used: ATS:1-3 and ATS:1-6

Conformance Lab: NVLAP# 0363
Corporation for Open Systems International Test Center

Product Code/Type: P-002 LAN Product ID: 79

Supplier: Control Data Corporation
4201 North Lexington Avenue
Arden Hills, MN 55126-6198
Contact: Ronald D Swan Tel: (612) 482-6257
Fax: (612) 482-3616
GOSIP Product Name, Release and Date:
CDCNET Ethernet Serial Channel Interface
Version/Release: LLC/MAC 1.7.1, PLS 1.6.1
Release Date: 01-OCT-92

Registration:
Date: 15-OCT-92 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
Device Interface Model #GH120B, Equipment #DY0227-B,
Product #2608-6 (Stand-alone Machine) O/S None

Connectivity: 10Base5

Underlying Stack: None

Protocols and Profiles:
LLC1{802.2}/MAC & PLS{802.3}
LLC1 [ISO 8802-2:1989]
MAC [ISO 8802-3:1989]
PLS [ISO 8802-3:1989]
ATS Used: ATS:1-3 and ATS:1-6

Conformance Lab: NVLAP# 0363
Corporation for Open Systems International Test Center

Product Code/Type: P-003 INTERMEDIATE SYSTEM Product ID: 148

Supplier: CISCO Systems, Incorporated
1525 O'Brien Drive
Menlo Park, CA 94025
Contact: Ms Susan Scheer Tel: (415) 688-8131
Fax: (415) 688-7666
GOSIP Product Name, Release and Date:
CISCO Systems Router
Version/Release: Ver 9 Rel 1
Release Date: 01-NOV-92
Registration:
Date: 20-APR-93 Basis: BASE
Type: PROVISIONAL, GOSIP VER 2
Hardware and Operating System Platforms:
MGS, CGS, AGS+, IGS, cisco3000, cisco4000, cisco7000
CISCO Systems Router (Stand-alone System)

Connectivity:
Port 1: LLC1{802.2}/MAC{802.3}/10Base5
Port 2: LLC1{802.2}/MAC{802.3}/10Base5
Underlying Stack: Embedded in CISCO Router Product Using CSC-2E2T Interface Hardware
Protocols and Profiles: CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988] {Dynamic Routing Claimed}
ATS Used: ATS:2-7.1

Conformance Lab: NVLAP# 0371
Alcatel TITN Incorporated Conformance, Accreditation and Test Center

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Product Code/Type: P-003 INTERMEDIATE SYSTEM Product ID: 70

Supplier: UNISYS Corporation
8008 Westbrook Drive
McLean, VA 22102
Contact: Keith Fretz Tel: (703) 556-5665
Fax: (703) 556-5172
GOSIP Product Name, Release and Date:
DCP OSITS
Version/Release: 2R1A + 192-194,197,199,202,203,205,207
Release Date: 08-APR-92

Registration:
Date: 16-OCT-92 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
DCP-15 through DCP-55 Front End Processors
DCP/OS Ver 5R2A (8-APR-92) and TELCON Ver 9R1A (8-APR-92)

Connectivity: Port 1: LLC1{802.2}/MAC{802.3}
Port 2: X.25 PLP/X.25 LAP-B

Underlying Stack: LAN Platform 2R2A, DCP 802.3 Lan Line Module, Feature #F5137-00.
WAN: PSCS (Ver 51RA & PCRs), DCP-15.

Protocols and Profiles: CLNP{IS} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-7.1

Conformance Lab: NVLAP# 0367
UNISYS - Open Systems Interconnection Laboratory

Product Code/Type: P-003 Intermediate System Product ID: 167

Supplier: 3Com Corporation
5400 Bayfront Plaza
Santa Clara, CA 95052-8145
Contact: Cyndi Jung Tel: (408) 764-5173
Fax: (408) 764-5002
GOSIP Product Name, Release and Date:
NETBuilder II Extended WAN 3C6242A-GOSIP
Version/Release: Version 6.1.5
Release Date: 04-JUN-93
Registration:
Date: 23-JUN-93 Basis: BASE
Type: Provisional, GOSIP Ver. 2

Hardware and Operating System Platforms:
NETBuilder II (4 or 8 port chassis) with 2 Ethernet Modules
SW/NB II-WX, V6.1.5

Connectivity: LLC1{802.2}/MAC{802.3}/10Base2
LLC1{802.2}/MAC{802.3}/10Base5
Underlying Stack: NETBuilder II Ethernet Module (Embedded in Product)
Protocols and Profiles: CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988] {Dynamic Routing Claimed}
ATS Used: ATS:2-7.1

Conformance Lab: NVLAP# 0371
Alcatel TITN Incorporated Conformance, Accreditation and Test Center

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Product Code/Type: P-003 Intermediate System Product ID: 184

Supplier: Digital Equipment Corporation
Imperial Way
Reading, Berks RG20TE United Kingdom

Contact: Ken Chamberlain Tel:
Fax:

GOSIP Product Name, Release and Date:
DEC Network Integration Server Software (DECNIS)
Version/Release: Version 2.1
Release Date: 30-APR-93

Registration:
Date: 05-AUG-93 Basis: BASE
Type: Provisional, GOSIP Ver. 2

Hardware and Operating System Platforms:
HW: DECNIS 500, DECNIS 600
OS: DECNIS V.21 with embedded OS

Connectivity: Port 1: LLC1{802.2}/MAC{802.3}/10Base5
Port 2: X.25 PLP/X.25 LAP-B/V.35
Underlying Stack: LAN: DEC Network Integration Server S/W, DNSAE-AA, BNEA4D-02, and H4005. WAN: DEC Network Integration Server S/W and DNSAB-AA
Protocols and Profiles: CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988] {Dynamic Routing Claimed}
ATS Used: ATS:2-7.1

Conformance Lab: NVLAP# 0362
Digital Equipment Corp

Product Code/Type: P-003 Intermediate System Product ID: 186
Supplier: Wellfleet Communications, Inc.
8 Federal Street
Billerica, MA 01821
Contact: Dan Mulvey Tel: (703) 739-6710
Fax: (703) 739-1394
GOSIP Product Name, Release and Date:
Wellfleet Communications Router
Version/Release: Version 5.81 Release Date: 24-SEP-93
Registration:
Date: 24-AUG-93 Basis: BASE
Type: Provisional, GOSIP Ver. 2
Hardware and Operating System Platforms:
HW: Concentrator Node (CN) w/ACE020 proc; OS: Embedded
HW: Concentrator Node (CN) w/ACE030 proc; OS: Embedded
HW: Link Node (LN) w/ ACE020 processor; OS: Embedded
HW: Link Node (LN) w/ ACE030 processor; OS: Embedded
HW: Feeder Node (FN) w/ ACE020 processor; OS: Embedded
HW: Feeder Node (FN) w/ ACE030 processor; OS: Embedded
Connectivity: Port 1: LLC1{802.2}/MAC{802.3}/10Base5
Port 2: LLC1{802.2}/MAC{802.3}/10Base5
Underlying Stack: SW: Embedded in Product; I/O Modules: DE (Dual Port Ethernet), DSDE (Dual Ethernet/Dual Port Sync), and/or QENET (Quad Port Ethernet)
Protocols and Profiles: CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988] {Dynamic Routing Claimed}
ATS Used: ATS:2-7.1

Conformance Lab: NVLAP# 0371
Alcatel TITN Incorporated Conformance, Accreditation and Test Center

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Product Code/Type: P-004 TRANSPORT Product ID: 98

Supplier: Bull Information Systems, Incorporated
13430 North Black Canyon Highway
Phoenix, AZ 85029

Contact: Oscar V Hefner Tel: (602) 862-6001
Fax: (602) 862-6051

GOSIP Product Name, Release and Date:
DATANET DCP 7500
Version/Release: DNS Ver 4 Update 1
Release Date: 01-JAN-92

Registration:
Date: 13-NOV-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
DCP 7500
O/S DNS Ver 4 Update 1
Connectivity: LLC1{802.2}/MAC{802.3}

Underlying Stack: Datanet DCP 7500 ISO 8802-2/3 (LAN)

Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 AND ATS:1-9

Conformance Lab: NVLAP# 0370
Conformance Expert Center for OSI Bull - CECOB

Product Code/Type: P-004 TRANSPORT Product ID: 169

Supplier: Bull Information Systems, Incorporated
13430 North Black Canyon Highway
Phoenix, AZ 85029
Contact: Oscar V Hefner Tel: (602) 862-6001
Fax: (602) 862-6051
GOSIP Product Name, Release and Date:
DATANET DCP 7500
Version/Release: DNS Ver 4 Update 1
Release Date: 01-JAN-92
Registration:
Date: 13-NOV-92 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
DCP 7500
O/S DNS Ver 4 Update 1
Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack: Datanet DCP 7500 X.25 Packet Layer; Datanet DCP 7500 Frame Layer.
Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 AND ATS:1-9

Conformance Lab: NVLAP# 0370
Conformance Expert Center for OSI Bull - CECOB

Product Code/Type: P-004 TRANSPORT Product ID: 99

Supplier: Bull Information Systems, Incorporated
13430 North Black Canyon Highway
Phoenix, AZ 85029

Contact: Oscar V Hefner Tel: (602) 862-6001
Fax: (602) 862-6051

GOSIP Product Name, Release and Date:
DATANET DCP 7500
Version/Release: DNS Ver 4 Update 1
Release Date: 01-JAN-92

Registration:
Date: 13-NOV-92 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
DCP 7500
O/S DNS Ver 4 Update 1

Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack: Datanet DCP 7500 X.25 Packet Layer; Datanet DCP 7500 X.25 Frame Layer

Protocols and Profiles: Transport Class 4-CONS [ISO 8073:1988]

ATS Used: ATS:1-9

Conformance Lab: NVLAP# 0370
Conformance Expert Center for OSI Bull - CECOB

Product Code/Type: P-004 TRANSPORT Product ID: 101

Supplier: Bull Information Systems, Incorporated
13430 North Black Canyon Highway
Phoenix, AZ 85029

Contact: Oscar V Hefner Tel: (602) 862-6001
Fax: (602) 862-6051

GOSIP Product Name, Release and Date:
DPX/2 B.O.S (Stack B)
Version/Release: 2
Release Date: 01-OCT-92

Registration:
Date: 13-NOV-92 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
DPX/2 200, O/S B.O.S. 2

Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack: DPX/2 X.25 Packet Layer;DPX/2 X.25 Frame Layer

Protocols and Profiles: Transport Class 4-CONS [ISO 8073:1988]

ATS Used: ATS:1-9

Conformance Lab: NVLAP# 0370
Conformance Expert Center for OSI Bull - CECOB

Product Code/Type: P-004 TRANSPORT Product ID: 94

Supplier: Bull Information Systems, Incorporated
13430 North Black Canyon Highway
Phoenix, AZ 85029

Contact: Oscar V Hefner Tel: (602) 862-6001
Fax: (602) 862-6051

GOSIP Product Name, Release and Date:
DPX/2 B.O.S. (Stack B)
Version/Release: Ver 2
Release Date: 01-OCT-91

Registration:
Date: 13-NOV-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
DPX/2 200, O/S B.O.S. 2

Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack: DPX/2 X.25 Packet Layer; DPX/2 X.25 Frame Layer

Protocols and Profiles: Transport Class 0[ISO 8073:1988]

ATS Used: ATS:1-8

Conformance Lab: NVLAP# 0370
Conformance Expert Center for OSI Bull - CECOB

Product Code/Type: P-004 TRANSPORT Product ID: 97

Supplier: Bull Information Systems, Incorporated
13430 North Black Canyon Highway
Phoenix, AZ 85029
Contact: Oscar V Hefner Tel: (602) 862-6001
Fax: (602) 862-6051

GOSIP Product Name, Release and Date:
DPX/2 B.O.S. (Stack B)
Version/Release: Ver/Rel 2
Release Date: 01-OCT-91

Registration:
Date: 13-NOV-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
DPX/2 200, O/S B.O.S. 2

Connectivity: LLC1{802.2}/MAC{802.3}

Underlying Stack: DPX/2, BOS 2, ISO 8802-2/3 (LAN)

Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-7 AND ATS:1-9

Conformance Lab: NVLAP# 0370
Conformance Expert Center for OSI Bull - CECOB

Product Code/Type: P-004 TRANSPORT Product ID: 96

Supplier: Bull Information Systems, Incorporated
13430 North Black Canyon Highway
Phoenix, AZ 85029
Contact: Oscar V Hefner Tel: (602) 862-6001
Fax: (602) 862-6051

GOSIP Product Name, Release and Date:
DPX/2 B.O.S. (Stack B)
Version/Release: Ver 2
Release Date: 01-OCT-91

Registration:
Date: 13-NOV-92 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
DPX/2 200, O/S B.O.S. 2

Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack: DPX/2 X.25 Packet Layer; DPX/2 X.25 Frame Layer

Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 AND ATS:1-9

Conformance Lab: NVLAP# 0370
Conformance Expert Center for OSI Bull - CECOB

Product Code/Type: P-004 TRANSPORT Product ID: 95

Supplier: Bull Information Systems, Incorporated
13430 North Black Canyon Highway
Phoenix, AZ 85029
Contact: Oscar V Hefner Tel: (602) 862-6001
Fax: (602) 862-6051
GOSIP Product Name, Release and Date:
Datanet (DCP 7500)
Version/Release: DNS Ver 4 Update 1
Release Date: 01-JAN-92
Registration:
Date: 13-NOV-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
DCP 7500
O/S DNS Ver 4 Update 1

Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack: DATANET DCP 7500 X.25 Packet Layer
DATANET DCP 7500 X.25 Frame Layer

Protocols and Profiles: Transport Class 0[ISO 8073:1988]

ATS Used: ATS:1-8

Conformance Lab: NVLAP# 0370
Conformance Expert Center for OSI Bull - CECOB

Product Code/Type: P-004 TRANSPORT Product ID: 170

Supplier: Control Data Corporation
4201 North Lexington Avenue
Arden Hills, MN 55126-6198
Contact: Ronald D Swan Tel: (612) 482-6257
Fax: (612) 482-3616
GOSIP Product Name, Release and Date:
CDCNET
Version/Release: 1.7.1/BCU #803AA
Release Date: 01-MAR-92
Registration:
Date: 09-FEB-93 Basis: BASE
Type: PROV, Grndfthrd, V1->V2
Hardware and Operating System Platforms:
CYBER 930 Host and Mainframe Device Interface (MDI), Mainframe Device Interface (TDI), or Integrated Communications Adapter (ICA)
CYBER O/S, NOS/Ver 1.7.7, ICA is stand-alone (Self Contained)
Connectivity: LLC1{802.2}/MAC{802.3}

Underlying Stack: CDCNET Ethernet Serial Channel Interface
Product 46 (P-2 LAN) (Registered October 15, 1992)

Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS: 1-7 AND ATS:1-9

Conformance Lab: NVLAP# 0354
Control Data Corporation, OSI Accredited Test Center

Product Code/Type: P-004 TRANSPORT Product ID: 88

Supplier: Control Data Corporation
4201 North Lexington Avenue
Arden Hills, MN 55126-6198

Contact: Ronald D Swan Tel: (612) 482-6257
Fax: (612) 482-3616

GOSIP Product Name, Release and Date:
CDCNET
Version/Release: Ver 1.6.1 / B720
Release Date: 01-MAR-92

Registration:
Date: 09-NOV-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
CDCNET Device Interface DY-227-B, O/S NONE

Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack: CDCNET, Ver 1.6.1, X.25

Protocols and Profiles: Transport Class 0[ISO 8073:1988]
ATS Used: ATS:1-8

Conformance Lab: NVLAP# 0354
Control Data Corporation, OSI Accredited Test Center

Product Code/Type: P-004 TRANSPORT Product ID: 38

Supplier: Control Data Corporation
4201 North Lexington Avenue
Arden Hills, MN 55126-6198
Contact: J. F. Carey Tel: (612) 482-2567
Fax: (612) 482-2791
GOSIP Product Name, Release and Date:
Control Data EP/IX Access & Directory
Version/Release: Ver 1.4.2
Release Date: 27-NOV-91

Registration:
Date: 25-FEB-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
Control Data 4000
Control Data EP/IX Version 1.4.2

Connectivity: PLS{802.3}/10Base5

Underlying Stack:

Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9

Conformance Lab: NVLAP# 0354
Control Data Corporation, OSI Accredited Test Center

Product Code/Type: P-004 TRANSPORT Product ID: 76

Supplier: Data General Corporation
4400 Computer Drive, MS/D216
Westborough, MA 01580

Contact: Charles Stakus Tel: (508) 870-6392
Fax: (508) 898-4694
GOSIP Product Name, Release and Date:
OSI/Platform for AViiON Systems
Version/Release: Ver 3.0
Release Date: 01-JUN-92
Registration:
Date: 23-OCT-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
AViiON 5000/6000 Series
DG/UX System for AViiON Systems Rev. 5.4.1
onnectivity: LLC1{802.2}/MAC{802.3}

Underlying Stack:

Protocols and Profiles:
TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9

Conformance Lab: NVLAP# 0371
Alcatel TITN Incorporated Conformance, Accreditation and Test Center

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Product Code/Type: P-004 TRANSPORT Product ID: 77

Supplier: Data General Corporation
4400 Computer Drive, MS/D216
Westborough, MA 01580

Contact: Charles Stakus Tel: (508) 870-6392
Fax: (508) 898-4694

GOSIP Product Name, Release and Date:
OSI/Platform for AViiON Systems
Version/Release: Ver 3.0
Release Date: 01-JUN-92

Registration:
Date: 23-OCT-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
AViiON 5000/6000 Series
DG/UX System for AViiON Systems Rev. 5.4.1

Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack:

Protocols and Profiles: Transport Class 0[ISO 8073:1988]

ATS Used: ATS:1-8

Conformance Lab: NVLAP# 03[illegible]
Alcatel TITN Incorporated Conformance, Accreditation and Test Center

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Product Code/Type: P-004 TRANSPORT Product ID: 89

Supplier: Data General Corporation
4400 Computer Drive, MS/D216
Westborough, MA 01580
Contact: Charles Stakus Tel: (508) 870-6392
Fax: (508) 898-4694
GOSIP Product Name, Release and Date:
OSI/Platform for AViiON Systems
Version/Release: Ver 3.0
Release Date: 01-JUN-92

Registration:
Date: 13-NOV-92 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
AViiON 5000/6000 Series
DG/UX System for AViiON Systems Rev. 5.4.1
Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack: X.25 for AViiON Systems, Ver. 2.20

Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 AND ATS:1-9

Conformance Lab: NVLAP# 0391
Data General Corporation, OSI Conformance Test Center

Product Code/Type: P-004 TRANSPORT Product ID: 128

Supplier: Digital Equipment Corp
550 King Street
Littleton, MA 01460-1289

Contact: Richard A Duhamel Tel: (508) 486-5021
Fax: (508) 486-7417

GOSIP Product Name, Release and Date:
DECnet-VAX (TM) Ver 5.4 EXTENSIONS
Version/Release: Ver 5.4
Release Date: 01-SEP-91

Registration:
Date: 26-JAN-93 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
MicroVAX 3800
VMS Ver 5.4

Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack: VAX Packet System Interface for DECnet(TM) 5.4 Extensions, September 1991

Protocols and Profiles: Transport Class 0[ISO 8073:1988]

ATS Used: ATS:1-8

Conformance Lab: NVLAP# 0362
Digital Equipment Corp

Product Code/Type: P-004 TRANSPORT Product ID: 129

Supplier: Digital Equipment Corp
550 King Street
Littleton, MA 01460-1289
Contact: Richard A Duhamel Tel: (508) 486-5021
Fax: (508) 486-7417
GOSIP Product Name, Release and Date:
DECnet/OSI for OpenVMS VAX V5.5/VOTS, v3.0A
Version/Release: Ver 3.0A Release Date: 11-SEP-92
Registration:
Date: 13-JAN-93 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2
Hardware and Operating System Platforms:
MicroVAX - II, 2000, 3100, 3300/3400, 3500, 3600, 3800, 3900
VAXstation - II, 2000, 3100, 3200, 3500, 3520, 3540, 4000
VAXserver - 3100, 3300/3400, 3500, 3600, 3602, 3800, 3900, 6000;
VAX - 11/730, 11/750, 11/780, 11/785, 4000, 6000, 8200, 8250, 8300, 8350, 85xx, 8600, 8650, 8700, 8800, 8810, 8820, 8830, 8840, 9000; VAXft - M110/310, M410/610/612, WITH O/S OpenVMS V5.5
Connectivity: LLC1{802.2}/MAC{802.3}

Underlying Stack: Digital DESQA CSMA/CD LAN Controller; DEC (MAU) 44005; DEC (AUI) BNE4D-02; DEC (LLC) OpenVMS for VAX, Ver 5.5-2
Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 AND ATS:1-9
Conformance Lab: NVLAP# 0362
Digital Equipment Corp

Product Code/Type: P-004 TRANSPORT Product ID: 144

Supplier: Digital Equipment Corp
550 King Street
Littleton, MA 01460-1289
Contact: Richard A Duhamel Tel: (508) 486-5021
Fax: (508) 486-7417
GOSIP Product Name, Release and Date:
DECnet/OSI for ULTRIX
Version/Release: Ver 5.1-ECO0193 Release Date: 02-JAN-93
Registration:
Date: 31-MAR-93 Basis: BASE
Type: PROV, Grndfthrd, V1->V2
Hardware and Operating System Platforms:
1- DECstations 2100, 3100s, 5000/20, 5000/25, 5000/120, 5000/125, 5000/200, and 500/240 w Integrated Ethernet Controller ULTRIX Worksystem Software, Ver 4.2A
2- DECsystems 5000/200, 5000/240, 5100, 5400, 5500, 5810, 5820, 5830, 5840, 5900 w/Integrated Ethernet Controller ULTRIX Ver 4.2A
Connectivity: LLC1{802.2}/MAC{802.3}

Underlying Stack: DECNet/OSI for ULTRIX Ver 5.1-EC00193
Layered product for ULTRIX; Chipset integrated with the CPU

Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9

Conformance Lab: NVLAP# 0362
Digital Equipment Corp

Product Code/Type: P-004 TRANSPORT Product ID: 54

Supplier: Digital Equipment Corporation
Digital Park
Reading RG2 OTE United Kingdom

Contact: Bill Daley Tel:
Fax:
GOSIP Product Name, Release and Date:
DECnet-VAX (TM) Extensions Ver 5.4A/VOTS Ver 3.0A
Version/Release: 5.4A
Release Date: 01-APR-92

Registration:
Date: 16-AUG-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
Digital VAX Computer with VMS C5.4A+ Operating System

Connectivity: LLC1{802.2}/MAC{802.3}

Underlying Stack:

Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9

Conformance Lab: NVLAP# 0362
Digital Equipment Corp

Product Code/Type: P-004 TRANSPORT Product ID: 57

Supplier: Encore Computing Corporation
6901 West Sunrise Boulevard
Ft. Lauderdale, FL 33313-4499

Contact: Augie Gonzales Tel: (305) 587-2900
Fax: (305) 797-5807

GOSIP Product Name, Release and Date:
EnComm ISO Transport Services
Version/Release: Ver 3.0.0
Release Date: 01-JUL-92

Registration:
Date: 31-AUG-92 Basis: BASE
Type: PROV, Gmdfthrd, V1->V2

Hardware and Operating System Platforms:
Encore Infinity 90 Series GPIO I, O/S UMAX Ver 3.0.7

Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack: Encore EnComm X.25 and PAD Rev 3.0.0, 15-JUN-92

Protocols and Profiles: Transport Class 0[ISO 8073:1988]

ATS Used: ATS:1-8

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-004 TRANSPORT Product ID: 56

Supplier: Encore Computing Corporation
6901 West Sunrise Boulevard
Ft. Lauderdale, FL 33313-4499

Contact: Augie Gonzales Tel: (305) 587-2900
Fax: (305) 797-5807

GOSIP Product Name, Release and Date:
EnComm ISO Transport Services
Version/Release: Ver 3.0.0
Release Date: 01-AUG-92

Registration:
Date: 31-AUG-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
Encore Infinity 90 Series GPIO I, O/S UMAX Ver 3.0.7

Connectivity:
CLNP{ES}/LLC1{802.2}/MAC{802.3}
CLNP{ES}/X.25 PLP/X.25 LAP-B

Underlying Stack: Encore/SynOptics LattisNet Mdl 3030 CLNP{ES}/LAN; Encore/SynOptics Departmental Hub CLNP{ES}/LAN; EnComm ISO CLNP{ES}/EnComm X.25 and PAD Revision 3.0

Protocols and Profiles: Transport Class 4-CLNS [ISO 8073:1988 / Add2:1989]

ATS Used: ATS:1-9

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-004 TRANSPORT Product ID: 55

Supplier: Encore Computing Corporation
6901 West Sunrise Boulevard
Ft. Lauderdale, FL 33313-4499

Contact: Augie Gonzales Tel: (305) 587-2900
Fax: (305) 797-5807

GOSIP Product Name, Release and Date:
Encore EnComm ISO Transport Services
Version/Release: Ver 3.0.0
Release Date: 01-AUG-92

Registration:
Date: Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
Encore Infinity 90 Series GPIO I, O/S UMAX Ver 3.0.7

Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack: EnComm VME Ethernet Drvr 2.1 over Encore VME Ethernet Cntrllr (VSSC) #8513-047 SynOptics Enterprise/Dpt Hub Configuration

Protocols and Profiles: CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-7

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-004 TRANSPORT Product ID: 78

Supplier: Encore Computing Corporation
6901 West Sunrise Boulevard
Ft. Lauderdale, FL 33313-4499

Contact: Augie Gonzales Tel: (305) 587-2900
Fax: (305) 797-5807

GOSIP Product Name, Release and Date:
Encore EnComm ISO Transport Services SynOptics Enterprise/Dpt Hub Configure
Version/Release: Ver 3.0.0
Release Date: 01-AUG-92

Registration:
Date: 27-OCT-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
Encore Infinity 90 Series GPIO I, O/S UMAX Ver 3.0.7

Connectivity: LLC1{802.2}/MAC{802.3}/10BaseT

Underlying Stack: EnComm VME Ethernet Drvr 2.1 over Encore Ethernet Cntrllr (VSSC) #8513-047 SynOptics Enterprise/Dpt Hub Configuration

Protocols and Profiles: CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-7

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-004 TRANSPORT Product ID: 58

Supplier: Encore Computing Corporation
6901 West Sunrise Boulevard
Ft. Lauderdale, FL 33313-4499

Contact: Augie Gonzales Tel: (305) 587-2900
Fax: (305) 797-5807

GOSIP Product Name, Release and Date:
Encore EnComm ISO Transport Services SynOptics LattisNet Mdl 3030 Concentrator
Version/Release: VER 3.0.0
Release Date: 01-AUG-92

Registration:
Date: 27-OCT-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
Encore Infinity 90 Series GPIO I, O/S UMAX Ver 3.0.7

Connectivity: LLC1{802.2}/MAC{802.3}/10BaseT

Underlying Stack: EnComm VME Ethernet Drvr 2.1 over Encore VME Ethernet Cntrllr (VSSC) #8523-444 SynOptics LattisNet Model 3030 Concentrator, 3313 Ethernet MMM, and 3308 Host
Protocols and Profiles: CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-7

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-004 TRANSPORT Product ID: 4

Supplier: Hewlett-Packard Company
19420 Homestead Road
Cupertino, CA 95014-9810
Contact: Bruce Talley Tel: (408) 447-3599
Fax: (408) 447-3660
GOSIP Product Name, Release and Date:
HP OSI Transport Services/9000, P/N 32070A
Version/Release: Ver C.02.00
Release Date: 10-JUN-91

Registration:
Date: 28-MAY-91 Basis: BASE
Type: PROV, Grndfthrd, V1->V2
Hardware and Operating System Platforms:
HP 9000 Series 800/HP-UX Operating System, Version 8.0

Connectivity: LLC1{802.2}/MAC{802.3}

Underlying Stack:

Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9

Conformance Lab: NVLAP# 0365
Hewlett-Packard Company, OSI Conformance Test Center

Product Code/Type: P-004 TRANSPORT Product ID: 112

Supplier: IBM Corporation Rome Networking Systems Laboratory
Via Paolo DiDono 44
00144 Rome Italy

Contact: Michael Sullivan Tel: +39 6 5187 2517
Fax: +39 6 5187 2467

GOSIP Product Name, Release and Date:
OSI/Communications Subsystem/400
Version/Release: Ver 2 Rel 1.1
Release Date: 01-MAR-92

Registration:
Date: 18-DEC-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
AS/400 9404
OS/400 Ver 2 Rel 1.1

Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack:
IBM AS/400 X.25 Communications Support Program, Ver 2, Release 1.1

Protocols and Profiles: Transport Class 0[ISO 8073:1988]

ATS Used: ATS:1-8

Conformance Lab: NVLAP# 0392
IBM Rome Networking Systems Laboratory

Product Code/Type: P-004 TRANSPORT Product ID: 117

Supplier: IBM Corporation, Rome Networking Systems Laboratory
Via Paolo DiDona, 44
00144 Rome Italy
Contact: Gerard Bonnes Tel: +33 92 11 41 22
Fax: +33 93 24 71 57
GOSIP Product Name, Release and Date:
IBM AIX OSI Messaging and Filing/6000
Version/Release: Ver 1, Level 180
Release Date: 01-DEC-90

Registration:
Date: 04-JAN-93 Basis: BASE
Type: PROV, Grndfthrd, V1->V2
Hardware and Operating System Platforms:
IBM RISC System/6000 All Models (7011, 7012, 7013, 7015, 6016, OS AIX/6000
Connectivity: LLC1{802.2}/MAC{802.3}

Underlying Stack:
Software: IBM AIX/6000 Ver 3.1.5; Hardware: Ethernet Adapter 7013-2890

Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 AND ATS:1-9

Conformance Lab: NVLAP# 0369

Product Code/Type: P-004 TRANSPORT Product ID: 23

Supplier: IBM Corporation, Rome Networking Systems Laboratory
Via Paolo DiDona, 44
00144 Rome Italy

Contact: Gerard Bonnes Tel: +33 92 11 41 22
Fax: +33 93 24 71 57

GOSIP Product Name, Release and Date:
OSI/Communications Subsystem
Version/Release: Ver 1 Rel 1.1
Release Date: 01-DEC-90

Registration:
Date: 01-NOV-91 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
(1) H/W: IBM Enterprise System/390
(1) O/S: IBM MVS/ESA Ver 3 Rel 1
(2) H/W: IBM Enterprise System/370
(2) O/S: IBM MVS/ESA Ver 3 Rel 1

Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack: Provided by IBM NCP Packet Switching Interface.

Protocols and Profiles: Transport Class 0[ISO 8073:1988]

ATS Used: ATS:1-8

Conformance Lab: NVLAP# 0369

Product Code/Type: P-004 TRANSPORT Product ID: 26

Supplier: IBM Corporation, Rome Networking Systems Laboratory
Via Paolo DiDona, 44
00144 Rome Italy

Contact: Gerard Bonnes Tel: +33 92 11 41 22
Fax: +33 93 24 71 57

GOSIP Product Name, Release and Date:
OSI/Communications Subsystem
Version/Release: Ver 1 Rel 1.1
Release Date: 01-DEC-90

Registration:
Date: 01-NOV-91 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
IBM Enterprise System 370/390
IBM MVS/ESA Ver 3 Rel 1

Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack: Provided by IBM NCP Packet Switching Interface.

Protocols and Profiles: Transport Class 0[ISO 8073:1988]

ATS Used: ATS:1-8

Conformance Lab: NVLAP# 0369

Product Code/Type: P-004 TRANSPORT Product ID: 35

Supplier: IBM Corporation, Rome Networking Systems Laboratory
Via Paolo DiDona, 44
00144 Rome Italy
Contact: Gerard Bonnes Tel: +33 92 11 41 22
Fax: +33 93 24 71 57
GOSIP Product Name, Release and Date:
OSI/Communications Subsystem
Version/Release: Ver 1 Rel 1.1 Release Date: 01-DEC-90
Registration:
Date: 12-FEB-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
(1) H/W: IBM Enterprise System/390
(1) O/S: IBM MVS/ESA Ver 3 Rel 1
(2) H/W: IBM Enterprise System/370
(2) O/S: IBM MVS/ESA Ver 3 Rel 1

Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack: Software: IBM OSI/Comm Subsystem V.1 R1.1 in IBM/S/390[802.2]; Interconnect Controller Program V1.0 on IBM Interconnect Controller Program (802.3). Hardware: IB
Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9

Conformance Lab: NVLAP# 0369

Product Code/Type: P-004 TRANSPORT Product ID: 33

Supplier: IBM Corporation, Rome Networking Systems Laboratory
Via Paolo DiDona, 44
00144 Rome Italy
Contact: Gerard Bonnes Tel: +33 92 11 41 22
Fax: +33 93 24 71 57
GOSIP Product Name, Release and Date:
OSI/Communications Subsystem
Version/Release: Ver 1 Rel 1.1
Release Date: 01-DEC-90

Registration:
Date: 12-FEB-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2
Hardware and Operating System Platforms:
(1) H/W: IBM Enterprise System/390
(1) O/S: IBM MVS/ESA Ver 3 Rel 1
(2) H/W: IBM Enterprise System/370
(2) O/S: IBM MVS/ESA Ver 3 Rel 1
Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack: Provided by IBM NCP Packet Switching Interface.

Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-9

Conformance Lab: NVLAP# 0369

Product Code/Type: P-004 TRANSPORT Product ID: 116

Supplier: IBM Corporation, Rome Networking Systems Laboratory
Via Paolo DiDona, 44
00144 Rome Italy

Contact: Gerard Bonnes Tel: +33 92 11 41 22
Fax: +33 93 24 71 57

GOSIP Product Name, Release and Date:
OSI/Communications Subsystem
Version/Release: Ver 1 Rel 1.1
Release Date: 01-DEC-90

Registration:
Date: 04-JAN-93 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
IBM Enterprise System/390 All Models (S/390, 43xx, 30xx),
IBM MVS/ESA, MVS/XA, IBM VM/SP, VM/ESA

Connectivity: LLC1{802.2}/MAC{802.3}

Underlying Stack: Provided by IBM NCP Packet Switching Interface.

Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO
8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 AND ATS:1-9

Conformance Lab: NVLAP# 0369

Product Code/Type: P-004 TRANSPORT Product ID: 24

Supplier: IBM Corporation, Rome Networking Systems Laboratory
Via Paolo DiDona, 44
00144 Rome Italy
Contact: Gerard Bonnes Tel: +33 92 11 41 22
Fax: +33 93 24 71 57

GOSIP Product Name, Release and Date:
OSI/Communications Subsystem
Version/Release: Ver 1 Rel 1.1
Release Date: 01-DEC-90

Registration:
Date: 01-NOV-91 Basis: DERIVED
Type: PROV, Gmdfthrd, V1->V2

Hardware and Operating System Platforms:
IBM Enterprise System/390
IBM VM/ESA Ver 1 Rel 1
IBM Enterprise System/370
IBM VM/ESA Ver 1 Rel 1

Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack: Provided By IBM NCP Packet Switching Interface.

Protocols and Profiles: Transport Class 0[ISO 8073:1988]

ATS Used: ATS:1-8

Conformance Lab: NVLAP# 0369

Product Code/Type: P-004 TRANSPORT Product ID: 25

Supplier: IBM Corporation, Rome Networking Systems Laboratory
Via Paolo DiDona, 44
00144 Rome Italy

Contact: Gerard Bonnes Tel: +33 92 11 41 22
Fax: +33 93 24 71 57

GOSIP Product Name, Release and Date:
OSI/Communications Subsystem
Version/Release: Ver 1 Rel 1.1
Release Date: 01-DEC-90

Registration:
Date: 01-NOV-91 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
IBM System 370/390
IBM VM/SP Rel 5

Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack: Provided by IBM NCP Packet Switching Interface.

Protocols and Profiles: Transport Class 0[ISO 8073:1988]

ATS Used: ATS:1-8

Conformance Lab: NVLAP# 0369

Product Code/Type: P-004 TRANSPORT Product ID: 34

Supplier: IBM Corporation, Rome Networking Systems Laboratory
Via Paolo DiDona, 44
00144 Rome Italy
Contact: Gerard Bonnes Tel: +33 92 11 41 22
Fax: +33 93 24 71 57
GOSIP Product Name, Release and Date:
OSI/Communications Subsystem
Version/Release: Ver 1 Rel 1.1
Release Date: 01-DEC-90

Registration:
Date: 12-FEB-92 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2
Hardware and Operating System Platforms:
IBM System 370, System/390
MVS/XA Ver 2 Rel 2
VM/SP Rel 5
VM/ESA Ver 1 Rel 1
Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack: Provided by IBM NCP Packet Switching Interface.

Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO
8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-9

Conformance Lab: NVLAP# 0369

Product Code/Type: P-004 TRANSPORT Product ID: 36

Supplier: IBM Corporation, Rome Networking Systems Laboratory
Via Paolo DiDona, 44
00144 Rome Italy

Contact: Gerard Bonnes Tel: +33 92 11 41 22
Fax: +33 93 24 71 57

GOSIP Product Name, Release and Date:
OSI/Communications Subsystem
Version/Release: Ver 1 Rel 1.1
Release Date: 01-DEC-90

Registration:
Date: 12-FEB-92 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
IBM System 370, System/390
MVS/XA Ver 2 Rel 2
VM/SP Rel 5
VM/ESA Ver 1 Rel 1

Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack: Provided by IBM NCP Packet Switching Interface.

Protocols and Profiles: Transport Class 4-CONS [ISO 8073:1988]

ATS Used: ATS:1-9

Conformance Lab: NVLAP# 0369

Product Code/Type: P-004 TRANSPORT Product ID: 51

Supplier: NCR
9900 Old Grove Road
San Diego, CA 92131
Contact: Wendy Morrison Tel: (619) 693-5665
Fax: (619) 693-5705
GOSIP Product Name, Release and Date:
NCR UNIX OSI Network Services
Version/Release: Ver 2.00.02 Release Date: 17-APR-92
Additional Info: Same product also registered over X.25 (Product ID 82) and for TP0 over X.25 (Product ID 83)
Registration:
Date: 07-AUG-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2
Hardware and Operating System Platforms:
NCR System 3000 Consisting of the following Hardware Models 3320, 3340, 3345, 3447, 3450, 3550, and 3600, NCR UNIX SVR4, (MP-RAS), Release 2
Connectivity: LLC1{802.2}/MAC{802.3}

Underlying Stack: NCR System 3000, Integrated LAN Driver Ver 2.00 Western Digital WD8003

Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9

Conformance Lab: NVLAP# 0363
Corporation for Open Systems International Test Center

Product Code/Type: P-004 TRANSPORT Product ID: 83

Supplier: NCR
9900 Old Grove Road
San Diego, CA 92131
Contact: Wendy Morrison Tel: (619) 693-5665
Fax: (619) 693-5705
GOSIP Product Name, Release and Date:
NCR UNIX OSI Network Services
Version/Release: Ver 2.01 Release Date: 08-SEP-92
Additional Info: Same product also registered for TP4 (Product ID 51 and Product ID 82)
Registration:
Date: 27-OCT-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2
Hardware and Operating System Platforms:
NCR System 3000 Consisting of the following Hardware Models 3320, 3340, 3345, 3447, 3450, 3550, and 3600, NCR UNIX SVR4, (MP-RAS), Release 2

Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack: NCR System 3000, X.25 Ntwrk Svcs [Packet Layer]; NCR MUOE HDLC Ver 1.04 [Link Layer]; NCR Multi-Protocol Communications Adapter/Firmware Ver 1.1A [Phys Layer] Protocols and Profiles: 0010 Transport Class 0[ISO 8073:1988]

ATS Used: ATS:1-8

Conformance Lab: NVLAP# 0363
Corporation for Open Systems International Test Center

Product Code/Type: P-004 TRANSPORT Product ID: 82

Supplier: NCR
9900 Old Grove Road
San Diego, CA 92131
Contact: Wendy Morrison Tel: (619) 693-5665
Fax: (619) 693-5705
GOSIP Product Name, Release and Date:
NCR UNIX OSI Network Services
Version/Release: Ver 2.01 Release Date: 08-SEP-92
Additional Info: Same product also registered over LAN (Product ID 51) and for TP0 over X.25 (Product ID 83)
Registration:
Date: 27-OCT-92 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2
Hardware and Operating System Platforms:
NCR System 3000 Consisting of the following Hardware Models 3320, 3340, 3345, 3447, 3450, 3550, and 3600, NCR UNIX SVR4, (MP-RAS), Release 2
Connectivity: X.25 PLP/X.25 LAP-B
Underlying Stack: NCR System 3000, X.25 Ntwrk Svcs [Packet Layer]; NCR MUOE HDLC Ver 1.04 [Link Layer]; NCR Multi-Protocol Communications Adapter/Firmware Ver 1.1A [Phys Layer]
Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9
Conformance Lab: NVLAP# 0363
Corporation for Open Systems International Test Center

Product Code/Type: P-004 TRANSPORT Product ID: 49

Supplier: Novell Incorporated
2180 Fortune Drive
San Jose, CA 95131

Contact: Jan Provan Tel: (408) 473-8422
Fax: (408) 433-9827
GOSIP Product Name, Release and Date:
NetWare FTAM Transport Component
Version/Release: Ver 1.2 Rev B
Release Date: 20-APR-92

Registration:
Date: 24-JUN-92 Basis: BASE
Type: PROV, Gmdfthrd, V1->V2

Hardware and Operating System Platforms:
AST Premium 386/33 with 8 MB RAM
NOVELL 3.11 Operating System over NOVELL NE2000 Ethernet card (802.3)
Connectivity: LLC1{802.2}/MAC{802.3}

Underlying Stack: NOVELL 3.11 Operating System over NOVELL NE2000 Ethernet

Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9

Conformance Lab: NVLAP# 0357
National Computing Centre Limited

Product Code/Type: P-004 TRANSPORT Product ID: 50

Supplier: Novell Incorporated
2180 Fortune Drive
San Jose, CA 95131
Contact: Jan Provan Tel: (408) 473-8422
Fax: (408) 433-9827
GOSIP Product Name, Release and Date:
NetWare FTAM Transport Component
Version/Release: Ver 1.2 Rev B Release Date: 20-APR-92
Registration:
Date: 24-JUN-92 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2
Hardware and Operating System Platforms:
AST Premium 386/33 with 8 MB RAM
NOVELL 3.11 Operating System over NOVELL NE2000 Ethernet card (802.3)
Connectivity: LLC1{802.2}/MAC{802.3}

Underlying Stack: NOVELL Ver 3.11 Operating System Over LLC1{802.2}/MAC{802.4} NE2000 and IBM 4MB Token Ring Card

Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9

Conformance Lab: NVLAP# 0357
National Computing Centre Limited

Product Code/Type: P-004 TRANSPORT Product ID: 111

Supplier: Retix
2401 Colorado Avenue
Santa Monica, CA 90404
Contact: Jeff Stone Tel: (310) 828-3400
Fax: (310) 828-2255
GOSIP Product Name, Release and Date:
LT-610
Version/Release: Ver 2.3.0 Release Date: 01-OCT-92
Registration:
Date: 18-DEC-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
Vendor claims all Intel 386 and 486 based platforms using stated o/s. Test platform was Intel 486DX (Alpha Systems Laboratory, Incorporated ASL486/33 ASL433), O/S UNIX System V Release 3.2 (SUN Soft Interactive Ver 3.0)

Connectivity: LLC1{802.2}/MAC{802.3}

Underlying Stack: S/W: Retix LT-610, Ver 2.3.0; H/W: Western Digital Model WD8003.

Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-7 and ATS:1-9

Conformance Lab: NVLAP# 0357
National Cornputing Centre Limited

Product Code/Type: P-004 TRANSPORT Product ID: 132

Supplier: Retix
2401 Colorado Avenue
Santa Monica, CA 90404

Contact: Jeff Stone Tel: (310) 828-3400
Fax: (310) 828-2255
GOSIP Product Name, Release and Date:
LT-610
Version/Release: Ver 2.3.0
Release Date: 01-OCT-92

Registration:
Date: 05-FEB-93 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
Intel 386 (Tatung) O/S UNIX System V Rel 3.2 (SCO UNIX 4.0)
Connectivity: LLC1{802.2}/MAC{802.3}

Underlying Stack: Retix LT-610, Ver 2.3.0; Western Digital Model WD8003
Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9

Conformance Lab: NVLAP# 0357
National Computing Centre Limited

Product Code/Type: P-004 TRANSPORT Product ID: 66

Supplier: SUN MicroSystems, Inc. International Centre for Network Computing
32 Rue du Vieux Chene
F-38240 Meylan France
Contact: Tom Hull Tel: +33 76 41 42 18
Fax: +33 76 41 42 41
GOSIP Product Name, Release and Date:
SunNet OSI (Transport)
Version/Release: Ver 7.1
Release Date: 01-OCT-92
Registration:
Date: 14-OCT-92 Basis: BASE
Type: PROV, Gmdfthrd, V1->V2

Hardware and Operating System Platforms:
SUN MicroSystems SPARCstation 2-4/75
SUN O/S 4.1.2 (Solaris 1.0.1)

Connectivity: LLC1{802.2}/MAC{802.3}

Underlying Stack: SUNNET OSI Ver 7.1 LLC1 (HW) Sun CPU board LAN Interface (802.3)

Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-7 AND ATS:1-9

Conformance Lab: NVLAP# 0357
National Computing Centre Limited

Product Code/Type: P-004 TRANSPORT Product ID: 87

Supplier: SUN MicroSystems, Inc. International Centre for Network Computing
32 Rue du Vieux Chene
F-38240 Meylan France

Contact: Tom Hull Tel: +33 76 41 42 18
Fax: +33 76 41 42 41
GOSIP Product Name, Release and Date:
SunNet OSI (Transport)
Version/Release: Ver 7.1 Release Date: 01-OCT-92

Registration:
Date: 25-NOV-92 Basis: BASE
Type: PROV, Gmdfthrd, V1->V2

Hardware and Operating System Platforms:
SUN MicroSystems SPARCstation 2-4/75
SUN O/S 4.1.2 (Solaris 1.0.1)
Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack: SunNet X.25 Ver 7.0.1

Protocols and Profiles:
Transport Class 0[ISO 8073:1988]

ATS Used: ATS:1-8

Conformance Lab: NVLAP# 0357
National Computing Centre Limited

Product Code/Type: P-004 TRANSPORT Product ID: 85

Supplier: SUN MicroSystems, Inc. International Centre for Network Computing
32 Rue du Vieux Chene
F-38240 Meylan France
Contact: Tom Hull Tel: +33 76 41 42 18
Fax: +33 76 41 42 41

GOSIP Product Name, Release and Date:
SunNet OSI (Transport)
Version/Release: Ver 7.1
Release Date: 01-OCT-92

Registration:
Date: 25-NOV-92 Basis: DERIVED
Type: PROV, Gmdfthrd, V1->V2

Hardware and Operating System Platforms:
SUN MicroSystems SPARCstation 2-4/75
SUN O/S 4.1.2 (Solaris 1.0.1)

Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack: SunNet X.25 Ver 7.0.1

Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 AND ATS:1-9

Conformance Lab: NVLAP# 0357
National Computing Centre Limited

Product Code/Type: P-004 TRANSPORT Product ID: 108

Supplier: SUN Microsystems Federal, Incorporated
2650 Park Tower Drive, Suite 500
Vienna, VA 22180-7306
Contact: Michael Barnes Tel: (703) 204-4100
Fax: (703) 204-4782
GOSIP Product Name, Release and Date:
SUN SPARCstation 10 Model 30 w/SUNLink OSI 8.0
Version/Release: Ver 8.0
Release Date: 04-AUG-92
Registration:
Date: 01-DEC-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2
Hardware and Operating System Platforms:
SPARCstation 10 Model 30
Solaris 2.1

Connectivity: LLC1{802.2}/MAC{802.3}

Underlying Stack: AMD, Lance 7990 Ethernet Controller SUN Solaris 2.1 Ethernet Driver

Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-004 TRANSPORT Product ID: 142

Supplier: SUN Microsystems Federal, Incorporated
2650 Park Tower Drive, Suite 500
Vienna, VA 22180-7306
Contact: Michael Barnes Tel: (703) 204-4100
Fax: (703) 204-4782

GOSIP Product Name, Release and Date:
SUN SPARCstation 10 Model 41 w/SUNLink OSI 8.0
Version/Release: Ver 8.0
Release Date: 04-AUG-92

Registration:
Date: 01-DEC-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
SPARCstation 10 Model 41
Solaris 2.1
Connectivity: LLC1{802.2}/MAC{802.3}

Underlying Stack:
AMD, Lance 7990 Ethernet Controller SUN Solaris 2.1 Ethernet Driver
Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-004 TRANSPORT Product ID: 106

Supplier: SUN Microsystems Federal, Incorporated
2650 Park Tower Drive, Suite 500
Vienna, VA 22180-7306
Contact: Michael Barnes Tel: (703) 204-4100
Fax: (703) 204-4782
GOSIP Product Name, Release and Date:
SUN SPARCstation 10 Model 42 w/SUNLink OSI 8.0
Version/Release: Ver 8.0
Release Date: 04-AUG-92
Registration:
Date: 01-DEC-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
SPARCstation 10 Model 42
Solaris 2.1

Connectivity: LLC1{802.2}/MAC{802.3}

Underlying Stack: AMD, Lance 7990 Ethernet Controller, Sun Solaris 2.1 Ethernet Driver

Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-004 TRANSPORT Product ID: 107

Supplier: SUN Microsystems Federal, Incorporated
2650 Park Tower Drive, Suite 500
Vienna, VA 22180-7306

Contact: Michael Barnes Tel: (703) 204-4100
Fax: (703) 204-4782

GOSIP Product Name, Release and Date:
SUN SPARCstation 4/30 w/SUNLink OSI 8.0
Version/Release: Ver 8.0
Release Date: 04-AUG-92
Registration:
Date: 01-DEC-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
SPARCstation 4/30
Solaris 2.1
Connectivity: LLC1{802.2}/MAC{802.3}

Underlying Stack: AMD, Lance 7990 Ethernet Controller. SUN Solaris 2.1 Ethernet Driver

Protocols and Profiles:
TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-004 TRANSPORT Product ID: 109

Supplier: SUN Microsystems Federal, Incorporated
2650 Park Tower Drive, Suite 500
Vienna, VA 22180-7306

Contact: Michael Barnes Tel: (703) 204-4100
Fax: (703) 204-4782
GOSIP Product Name, Release and Date:
SUN, RDI BrightLite Model IPX Color Laptop Workstation w/ SUNLink OSI 8.0
Version/Release: Ver 8.0
Release Date: 04-AUG-92
Registration:
Date: 01-DEC-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
RDI BrightLite IPX Color Laptop Workstation
Solaris 2.1
Connectivity: LLC1{802.2}/MAC{802.3}

Underlying Stack: AMD, Lance 7990 Ethernet Controller SUN Solaris 2.1 Ethernet Driver
Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-004 TRANSPORT Product ID: 133

Supplier: UNISYS Corporation
8008 West Park Drive
McLean, VA 22102
Contact: Dale Pluta Tel: (703) 556-5682
Fax: (703) 556-5172
GOSIP Product Name, Release and Date:
A-Series CP2000 OSI-IPC Software
Version/Release: Ver 30.00.199
Release Date: 11-DEC-92

Registration:
Date: 05-FEB-93 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
Mainframe: A6 (TP4), FEP: CP2000 (CLNP)
O/S Mainframe: A-Series System Software, Ver 4.0 (TP4)
FEP: CP2000 Operating Software, V3.0 (CLNP)

Connectivity: LLC1{802.2}/MAC{802.3}

Underlying Stack: S/W: CP2000 O/S V3.0; H/W: CP2000 with LMH Card

Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9

Conformance Lab: NVLAP# 0367
UNISYS - Open Systems Interconnection Laboratory

Product Code/Type: P-004 TRANSPORT Product ID: 137

Supplier: UNISYS Corporation
8008 West Park Drive
McLean, VA 22102

Contact: Dale Pluta Tel: (703) 556-5682
Fax: (703) 556-5172
GOSIP Product Name, Release and Date:
A-Series/CP2000 OSI-IPC Software
Version/Release: Ver 30.00.200
Release Date: 05-JAN-93

Registration:
Date: 16-FEB-93 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
A-Series Processor
A-Series System Software, Version 4.0

Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack: CP2000 X.25, Ver 30.00.192, 30-SEP-92

Protocols and Profiles: Transport Class 4-CONS [ISO 8073:1988]

ATS Used: ATS:1-9

Conformance Lab: NVLAP# 0367
UNISYS - Open Systems Interconnection Laboratory

Product Code/Type: P-004 TRANSPORT Product ID: 145

Supplier: UNISYS Corporation
8008 West Park Drive
McLean, VA 22102

Contact: Dale Pluta Tel: (703) 556-5682
Fax: (703) 556-5172

GOSIP Product Name, Release and Date:
A-Series/CP2000 OSI-IPC Software
Version/Release: Ver 30.00.199
Release Date: 11-DEC-92

Registration:
Date: 16-FEB-93 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
H/W: Mainframe: A6 (TP4), FEP: CP2000 (CLNP)
O/S: Mainframe: A-Series System Software, Ver 4.0 (TP4), FEP: CP2000 Operating Software, Ver 3.0 (CLNP)
Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack: CP2000 X.25 Ver 30.00.192, 30-SEP-92

Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 and ATS:1-9

Conformance Lab: NVLAP# 0367
UNISYS - Open Systems Interconnection Laboratory

Product Code/Type: P-004 TRANSPORT Product ID: 136

Supplier: UNISYS Corporation
8008 West Park Drive
McLean, VA 22102

Contact: Dale Pluta Tel: (703) 556-5682
Fax: (703) 556-5172

GOSIP Product Name, Release and Date:
A-Series/CP2000 OSI-IPC Software, Unisys Product 113/P4.3
Version/Release: Ver 30.00.200
Release Date: 05-JAN-93

Registration:
Date: 26-FEB-93 Basis: BASE
Type: PROV, Gmdfthrd, V1->V2
Hardware and Operating System Platforms:
A-Series Processor
A-Series System Software, Version 4.0

Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack: CP2000 X.25, Ver 30.00.192, 30-SEP-92

Protocols and Profiles: Transport Class 0[ISO 8073:1988]

ATS Used: ATS:1-8

Conformance Lab: NVLAP# 0367
UNISYS - Open Systems Interconnection Laboratory

Product Code/Type: P-004 TRANSPORT Product ID: 59

Supplier: UNISYS Corporation
8008 Westbrook Drive
McLean, VA 22102

Contact: Keith Fretz Tel: (703) 556-5665
Fax: (703) 556-5172

GOSIP Product Name, Release and Date:
CMS 1100/OSITS
Version/Release: 7R2B+PCR15312/2R1A+PCRs192,193,194,197
Release Date: 01-MAR-92

Registration:
Date: 01-SEP-92 Basis: BASE
Type: PROV, Gmdfthrd, V1->V2

Hardware and Operating System Platforms:
2200 System and 1100/90 Processors, DCP-15 through DCP-55 Front End Processors. Operating System OS1100 Exec on processor DCP/OS 5R2A, TELCON 9R1A on Front End Processors
Connectivity: LLC1{802.2}/MAC{802.3}

Underlying Stack: LAN Platform 2R2A, DCP 802.3; LAN Line Module Feature #F5137-00
Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 AND ATS:1-9

Conformance Lab: NVLAP# 0367
UNISYS - Open Systems Interconnection Laboratory

Product Code/Type: P-004 TRANSPORT Product ID: 81

Supplier: UNISYS Corporation
8008 Westbrook Drive
McLean, VA 22102
Contact: Keith Fretz Tel: (703) 556-5665
Fax: (703) 556-5172
GOSIP Product Name, Release and Date:
CMS 1100/OSITS Ver 7R2B + PCR 15312, 192-194, 197, 199, 202, 203, 205, 207
Version/Release: Rel 2R1A Release Date: 01-MAR-92
Registration:
Date: 16-OCT-92 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2
Hardware and Operating System Platforms:
OS1100 Exec. Ver 43R2 running on 2200 systems and 1190/90 Processors DCP-15 through DCP-55 Front End Processors, O/S OS1100 Exec. on Processors DCP/OS 5R2A, Telcon 9R1A on Front End Processors
Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack: X.25 PSCS Ver 51RA plus PCRs 1891-1899, 1902, 1911, 1923, 1929.
Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 AND ATS:1-9

Conformance Lab: NVLAP# 0367
UNISYS - Open Systems Interconnection Laboratory

Product Code/Type: P-004 TRANSPORT Product ID: 73

Supplier: UNISYS Corporation
8008 Westbrook Drive
McLean, VA 22102

Contact: Keith Fretz Tel: (703) 556-5665
Fax: (703) 556-5172

GOSIP Product Name, Release and Date:
DCP OSITS
Version/Release: 2R1A + 192-194,197,199,202,203,205,207
Release Date: 01-MAR-92

Registration:
Date: 19-OCT-92 Basis: BASE
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
DCP-15 through DCP-55 Front End Processors
DCP/OS Ver 5R2A (8-APR-92) and TELCON Ver 9R1A (8-APR-92)

Connectivity: LLC1{802.2}/MAC{802.3}

Underlying Stack: LAN Platform 2R2A, DCP 802.3 LAN Line Module, Feature #F5137-00
Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 AND ATS:1-9

Conformance Lab: NVLAP# 0367
UNISYS - Open Systems Interconnection Laboratory

Product Code/Type: P-004 TRANSPORT Product ID: 72

Supplier: UNISYS Corporation
8008 Westbrook Drive
McLean, VA 22102

Contact: Keith Fretz Tel: (703) 556-5665
Fax: (703) 556-5172
GOSIP Product Name, Release and Date:
DCP OSITS
Version/Release: 2R1A + 192-194,197,199,202,203,205,207
Release Date: 01-MAR-92

Registration:
Date: 19-OCT-92 Basis: BASE
Type: PROV, Gmdfthrd, V1->V2

Hardware and Operating System Platforms:
DCP-15 through DCP-55 Front End Processors
DCP/OS Ver 5R2A (8-APR-92) and TELCON Ver 9R1A (8-APR-92)

Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack:

Protocols and Profiles: Transport Class 0[ISO 8073:1988]

ATS Used: ATS:1-8

Conformance Lab: NVLAP# 0367
UNISYS - Open Systems Interconnection Laboratory

Product Code/Type: P-004 TRANSPORT Product ID: 71

Supplier: UNISYS Corporation
8008 Westbrook Drive
McLean, VA 22102
Contact: Keith Fretz Tel: (703) 556-5665
Fax: (703) 556-5172

GOSIP Product Name, Release and Date:
DCP OSITS
Version/Release: 2R1A, +192-194,197,199,202,203,205,207
Release Date: 01-MAR-92

Registration:
Date: 19-OCT-92 Basis: DERIVED
Type: PROV, Gmdfthrd, V1->V2

Hardware and Operating System Platforms:
DCP-15 through DCP-55 Front End Processors
DCP/OS Ver 5R2A (8-APR-92) and TELCON Ver 9R1A (8-APR-92)

Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack:

Protocols and Profiles: TP4-CLNS/CLNP{ES}
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]
CLNP{ES} [ISO 8473:1988] {Static Routing}
ATS Used: ATS:1-7 AND ATS:1-9

Conformance Lab: NVLAP# 0367
UNISYS - Open Systems Interconnection Laboratory

Product Code/Type: P-004 TRANSPORT Product ID: 171

Supplier: UNISYS Corporation
8008 Westbrook Drive
McLean, VA 22102

Contact: Keith Fretz Tel: (703) 556-5665
Fax: (703) 556-5172

GOSIP Product Name, Release and Date:
DCP OSITS
Version/Release: 2R1A, +192-194,197,199,202,203,205,207
Release Date: 01-MAR-92

Registration:
Date: 19-OCT-92 Basis: DERIVED
Type: PROV, Grndfthrd, V1->V2

Hardware and Operating System Platforms:
DCP-15 through DCP-55 Front End Processors
DCP/OS Ver 5R2A (8-APR-92) and TELCON Ver 9R1A (8-APR-92)

Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack:

Protocols and Profiles: Transport Class 4-CONS [ISO 8073:1988]

ATS Used: ATS:1-9

Conformance Lab: NVLAP# 0367
UNISYS - Open Systems Interconnection Laboratory

Product Code/Type: P-004 Transport Product ID: 187

Supplier: SUN MicroSystems, Inc.
32 Chemin du Vieux Chene
Meylan, F-38240 France

Contact: Tom Hull Tel: +33 76 41 42 43
Fax: +33 76 41 42 41

GOSIP Product Name, Release and Date:
SUNLink OSI
Version/Release: Version 8.0
Release Date: 08-AUG-93

Registration:
Date: 26-AUG-93 Basis: BASE
Type: Provisional, GOSIP Ver. 2

Hardware and Operating System Platforms:
H/W: All SUN SPARC Hardware
O/S: Solaris 2.1

Connectivity: X.25 PLP/X.25 LAP-B

Underlying Stack: Sunlink X.25 8.0

Protocols and Profiles: Transport Class 0[ISO 8073:1988]

ATS Used: ATS:2-8

Conformance Lab: NVLAP# 0357
National Computing Centre Limited

Product Code/Type: P-006 MHS Product ID: 154

Supplier: Control Data Systems, Incorporated
4201 North Lexington Avenue
Arden Hills, MN 55126-6198
Contact: B. Sekhon Tel: (612) 482-3868
Fax: (612) 482-2791
GOSIP Product Name, Release and Date:
MAIL*HUB MHS/4000
Version/Release: Ver 2.0.1
Release Date: 29-JAN-93
Additional Info: This product does not support MTA Relaying

Registration:
Date: 04-MAY-93 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
Control Data CD 4000 Series
EP/IX 2.0.1
Connectivity: TP4-CLNS/CLNP/LAN

Underlying Stack: Control Data EP/IX Access and Directory Ver 1.4.2
Protocols and Profiles:
MHS/(Session)
MHS [X.400:1984] {P2, P1, RTS}
MHS Session[X.410:1984]
ATS Used: ATS:1-13, ATS:1-14 and ATS:1-15

Conformance Lab: NVLAP# 0354
Control Data Corporation, OSI Accredited Test Center

Product Code/Type: P-006 MHS Product ID: 138

Supplier: Encore Computing Corporation
6901 West Sunrise Boulevard
Ft. Lauderdale, FL 33313-4499

Contact: Augie Gonzales Tel: (305) 587-2900
Fax: (305) 797-5807

GOSIP Product Name, Release and Date:
EnComm X.400
Version/Release: Ver 2.0.1
Release Date: 01-JAN-93

Registration:
Date: 11-MAR-93 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
Encore Infinity 90 Series GPIO I, O/S UMAX Ver 3.0.7

Connectivity: TP0/WAN

Underlying Stack: EnComm ISO Transport Services, Rev 3.0.0 [TP0]. EnComm X.25 Rev 3.0 (x.25)

Protocols and Profiles: MHS/(Session)
MHS [X.400:1984] {P2, P1, RTS}
MHS Session[X.410:1984]
ATS Used: ATS:1-13, ATS-14:1 and ATS:1-15

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-006 MHS Product ID: 13

Supplier: Hewlett-Packard Company, OSI Conformance Test Center
19420 Homestead Road
Cupertino, CA 95014-9810
Contact: Murali Subbarao Tel: (408) 447-2822
Fax: (408) 447-3660
GOSIP Product Name, Release and Date:
HP X.400/9000 P/N HP32032A; (X.400 Interface) HP OpenMail, P/N B1600A Version/Release: Ver C.02.00; Ver A.00.02.03
Release Date: 10-JUN-91

Registration:
Date: 19-AUG-91 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
HP 9000 Series 800/HP-UX Operating System, Ver 8.0

Connectivity: TP4-CLNS/CLNP/LAN

Underlying Stack: HP OSI Transport Services/9000 Series 800

Protocols and Profiles:
MHS/(Session)
MHS [X.400:1984] {P2, P1, RTS}
MHS Session[X.410:1984]
ATS Used: ATS:1-13, ATS:1-14 AND ATS:1-15

Conformance Lab: NVLAP# 0365
Hewlett-Packard Company, OSI Conformance Test Center

Product Code/Type: P-006 MHS Product ID: 141

Supplier: IBM Corporation Rome Networking Systems Laboratory
Via Paolo DiDono 44
00144 Rome Italy

Contact: Michael Sullivan Tel: +39 6 5187 2517
Fax: +39 6 5187 2467
GOSIP Product Name, Release and Date:
X.400 PROFS Connection
Version/Release: V1R3 Release Date: 01-JUN-91
Additional Info: Must be used with Open Network Distribution Services, V1R1, 01-OCT-90, & OSI/Communications Subsystem, V1R1.1, 01-DEC-90
Registration:
Date: 19-MAR-93 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
IBM Enterprise System 370/390
IBM MVS/ESA Ver 3 Rel 1
Connectivity: TP0/WAN

Underlying Stack: OSI/Communications Subsystem Ver 1 Rel 1.1
IBM NCP Packet Switching Interface
Protocols and Profile: MHS/(Session)
MHS [X.400:1984] {P2, P1, RTS}
MHS Session[X.410:1984]
ATS Used: ATS:1-13, ATS:1-14 AND ATS:1-15

Conformance Lab: NVLAP# 0392
IBM Rome Networking Systems Laboratory

Product Code/Type: P-006 MHS Product ID: 155

Supplier: International Business Machines Corporation
3605 Highway 52 North
Rochester, MN 55901
Contact: Michael Sullivan Tel: (39-06)5187 2517
Fax: (39-06)51872467
GOSIP Product Name, Release and Date:
IBM OSI Message Services/400
Verion/Release: Ver 2 Rel 1.1 Release Date: 01-MAR-92
Additional Info: Must be used with OSI Communications Subsystem/400 Ver 2 Rel 1.1 01-MAR-92
Registration:
Date: 04-MAY-93 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
AS/400
IBM OS/400 Ver 2 Rel 1.1

Connectivity: TP0/WAN

Underlying Stack: TP0: IBM OSI Communication Subsystem/400 V2 R1.1 WAN: IBM AS/400 X.25 Communication Support Program V2 R1.1
Protocols and Profiles: MHS/(Session)
MHS [X.400:1984] {P2, P1, RTS}
MHS Session[X.410:1984]
ATS Used: ATS:1-13, ATS:1-14 and ATS:1-15

Conformance Lab: NVLAP# 0392
IBM Rome Networking Systems Laboratory

Product Code/Type: P-006 MHS Product ID: 124

Supplier: Retix
2401 Colorado Avenue
Santa Monica, CA 90404
Contact: Jeff Stone Tel: (310) 828-3400
Fax: (310) 828-2255
GOSIP Product Name, Release and Date:
Retix User Agent Model MH-423, Retix OpenServer Model MH-4420
Version/Release: Ver 1.41 Release Date: 01-OCT-92

Registration:
Date: 06-JAN-93 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms: 0109
Test platform was Alpha Systems Lab (Intel 486), with Western Digital 8003 for 802.3
O/S Microsoft's Interactive UNIX (Rel 3.2), Version 3.0; Vendor claims all Intel 80386 and 80486 based platforms using stated O/S
Connectivity: TP4-CLNS/CLNP/LAN

Underlying Stack: Retix LT-610, Ver 2.3.0 (TP4/CLNP/LAN)

Protocols and Profiles: MHS/(Session)
MHS [X.400:1984] {P2, P1, RTS}
MHS Session[X.410:1984]

ATS Used: ATS:1-13, ATS:1-14 AND ATS:1-15

Conformance Lab: NVLAP# 0357
National Computing Centre Limited

Product Code/Type: P-006 MHS Product ID: 123

Supplier: Retix
2401 Colorado Avenue
Santa Monica, CA 90404
Contact: Jeff Stone Tel: (310) 828-3400
Fax: (310) 828-2255
GOSIP Product Name, Release and Date:
Retix User Agent Model MH-423, Retix OpenServer Model MH-4430
Version/Release: Ver 1.41
Release Date: 01-OCT-92
Registration:
Date: 06-JAN-93 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
Test platform was a Tatung (Intel 386), with a Western Digital 8003 for 802.3
O/S SCO Ver 4.0 (UNIX V Rel 3.2)
Vendor claims all Intel 386 and 486 based platforms using stated O/S

Connectivity: TP4-CLNS/CLNP/LAN

Underlying Stack: Retix LT-610, Ver 2.3.0 (TP4/CLNP/LAN)

Protocols and Profiles: MHS/(Session)
MHS [X.400:1984] {P2, P1, RTS}
MHS Session[X.410:1984]
ATS Used: ATS:1-13, ATS:1-14 AND ATS:1-15

Conformance Lab: NVLAP# 0357
National Computing Centre Limited

Product Code/Type: P-006 MHS Product ID: 149

Supplier: UNISYS Corporation
8008 West Park Drive
McLean, VA 22102
Contact: Dale Pluta Tel: (703) 556-5682
Fax: (703) 556-5172
GOSIP Product Name, Release and Date:
A-Series OSI-MHS
Version/Release: 2.0.048 Release Date: 17-DEC-92
Additional Info: Used in conjunction with A-Series/CP2000 OSI-IPC Software, Version 30.00.199, 11-Dec-92.
Registration:
Date: 04-MAY-93 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1
Hardware and Operating System Platforms:
A-Series/CP2000
- A-Series System Software Ver 4.0
- CP2000 Operating Software Ver 3.0
Connectivity: TP4-CLNS/CLNP/LAN

Underlying Stack: A-Series/CP2000 OSI-IPC (TP4-CLNS/CLNP).
CP2000 Operating Software (LAN)

Protocols and Profiles: MHS/(Session)
MHS [X.400:1984] {P2, P1, RTS}
MHS Session[X.410:1984]

ATS Used: ATS:1-13, ATS:1-14, ATS:1-15

Conformance Lab: NVLAP# 0367
UNISYS - Open Systems Interconnection Laboratory

Product Code/Type: P-006 MHS Product ID: 163

Supplier: UNISYS Corporation
8008 West Park Drive
McLean, VA 22102
Contact: Dale Pluta Tel: (703) 556-5682
Fax: (703) 556-5172
GOSIP Product Name, Release and Date:
A-Series OSI-MHS
Version/Release: Ver 2.0.048 Release Date: 17-DEC-92
Additional Info: In conjunction with A-Series CP/2000 OSI-IPC Software Ver 30.00.200, Rel 01-MAY-93
Registration:
Date: 18-JUN-93 Basis: DERIVED
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
A-Series/CP2000
- A-Series System Software Ver 4.0
- CP2000 Operating Software Ver 3.0

Connectivity: TP4-CONS/WAN
TP0/WAN

Underlying Stack: A-Series/CP2000 OSI-IPC Software/CP2000 X.25;
A-Series/CP2000 OSI-IPC Unisys Product 113/P4.3
Protocols and Profiles: MHS/(Session)
MHS [X.400:1984] {P2, P1, RTS}
MHS Session[X.410:1984]
ATS Used: ATS:1-13, ATS:1-14 and ATS:1-15

Conformance Lab: NVLAP# 0367
UNISYS - Open Systems Interconnection Laboratory

Product Code/Type: P-006 MHS Product ID: 74

Supplier: UNISYS Corporation
8008 Westbrook Drive
McLean, VA 22102
Contact: Keith Fretz Tel: (703) 556-5665
Fax: (703) 556-5172
GOSIP Product Name, Release and Date:
DDP-PPC & OS 1100 OSI-MHS
Version/Release: Ver DDP-PPC 5RIA + PCR 987
Release Date: 30-MAR-92
Registration:
Date: 16-OCT-92 Basis: DERIVED
Type: PROVISIONAL, GOSIP VER 1
Hardware and Operating System Platforms:
Model 1100/90 or any 2200 System using OS1100 EXEC Ver 43R2 and DCP-15 through DCP-55 using DCP/OS Ver 5R2A and TELCON Ver 9R1A
Connectivity: TP4-CLNS/CLNP/WAN or TP4-CONS/WAN or TP0/WAN

Underlying Stack: A-Series/CP2000 OSI-IPC Ver 30.00.199 (TP4/CLNP). [ISO 8208] X.25 DCP OSITS, Ver 2RIA(TP4). [ISO 8208] X.25 CMS 1100/OSITS Ver 7R2B(TP0). [ISO 8208] X.25 (X.25)

Protocols and Profiles: MHS/(Session)
MHS [X.400:1984] {P2, P1, RTS}
MHS Session[X.410:1984]
ATS Used: ATS:1-13, ATS:1-14 AND ATS:1-15

Conformance Lab: NVLAP# 0367
UNISYS - Open Systems Interconnection Laboratory

Product Code/Type: P-006 MHS Product ID: 61

Supplier: UNISYS Corporation
8008 Westbrook Drive
McLean, VA 22102
Contact: Keith Fretz Tel: (703) 556-5665
Fax: (703) 556-5172
GOSIP Product Name, Release and Date:
OS1100 OSI-MHS DDP-PPC: 5RIA & PCR 987
Version/Release: Ver OSI-HS 2R1B
Release Date: 06-MAY-92

Registration:
Date: 10-SEP-92 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1
Hardware and Operating System Platforms:
1100/90 and 2200 Series Processors, OS1100 Exec. Ver 43R2

Connectivity: TP4-CLNS/CLNP/LAN

Underlying Stack: CMS 1100 7R2B + PCR 15312(TP4). OSITS 2RIA + PCR 192, 193, 194, 197 CMS 1100 7R2B + PCR 15312 (CLNP). DCP 802.3 LAN Line Module (LAN)

Protocols and Profiles: MHS/(Session)
MHS [X.400:1984] {P2, P1, RTS}
MHS Session[X.410:1984]

ATS Used: ATS:1-13, ATS:1-14 AND ATS:1-15

Conformance Lab: NVLAP# 0367
UNISYS - Open Systems Interconnection Laboratory

Product Code/Type: P-006 MHS Relay Product ID: 110

Supplier: Data General Corporation
4400 Computer Drive, MS/D216
Westborough, MA 01580
Contact: Charles Stakus Tel: (508) 870-6392
Fax: (508) 898-4694
GOSIP Product Name, Release and Date:
X.400 for AViiON Sys (X.400 for AViiON Sys/3.0) (OSI for AViiON)
Version/Release: Ver 3.10 Release Date: 01-AUG-92

Registration:
Date: 01-DEC-92 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
AViiON Series 5000, VSC Synchronous Comms Controller, O/S, DG/UX Rel. 5.4.1, AV/X.25 Rel. 2.2.0

Connectivity: TP0/WAN

Underlying Stack: OSI/Platform for AViiON System Ver 3.0 [TP0]. X.25 for AViiON System Ver 2.20

Protocols and Profiles: MHS Relay/(Session)
MHS Relay[X.400:1984] {P1, RTS}
MHS Session[X.410:1984]
ATS Used: ATS:1-13 and ATS:1-14

Conformance Lab: NVLAP# 0391
Data General Corporation, OSI Conformance Test Center

Product Code/Type: P-006 MHS Relay Product ID: 139

Supplier: Digital Equipment Corporation
P.O. Box 121
Worton Grange, Reading, Berks RG2 OTE United Kingdom

Contact: Richard A Duhamel Tel: (508) 486-5021
Fax: (508) 486-7417
GOSIP Product Name, Release and Date:
VAX Message Router X.400 Gateway
Version/Release: Ver 2.2G
Release Date: 18-DEC-92

Registration:
Date: 11-MAR-93 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
MicroVAX 3400
VAX/VMS Ver 5.4 & 5.5

Connectivity: TP0/WAN

Underlying Stack: DECNet-VAX (TM) Extensions Ver5.4A (TD1111)

Protocols and Profiles: MHS Relay/(Session)
MHS Relay[X.400:1984] {P1, RTS}
MHS Session[X.410:1984]
ATS Used: ATS:1-13 AND ATS:1-14

Conformance Lab: NVLAP# 0357
National Computing Centre Limited

Product Code/Type: P-006 MHS Relay Product ID: 114

Supplier: NCR Network Products Division
9900 Old Grove Road
San Diego, CA 92131
Contact: Rolf Krause Tel: (619) 693-5788
Fax: (619) 693-5705
GOSIP Product Name, Release and Date:
NCR StarPRO Message Central 400
Version/Release: Ver 2.0 Release Date: 01-MAR-93
Additional Info: This Product also registered for TP4 over LAN (Product ID 115)
Registration:
Date: 29-DEC-92 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
NCR Systems 3000, Consisting of models, 3320, 3340, 3345, 3447, 3450, 3550 and 3600. NCR UNIX SVR4, MP-RAS Release 2
Connectivity: TP0/WAN

Underlying Stack: NCR UNIX OSI Network Services, Ver 2.01 (Product ID 83)

Protocols and Profiles: MHS Relay/(Session)
MHS Relay[X.400:1984] {P1, RTS}
MHS Session[X.410:1984]
ATS Used: ATS:1-13 AND ATS:1-14

Conformance Lab: NVLAP# 0363
Corporation for Open Systems International Test Center

Product Code/Type: P-006 MHS Relay Product ID: 115

Supplier: NCR Network Products Division
9900 Old Grove Road
San Diego, CA 92131
Contact: Rolf Krause Tel: (619) 693-5788
Fax: (619) 693-5705
GOSIP Product Name, Release and Date:
NCR StarPRO Message Central 400
Version/Release: Ver 2.0 Release Date: 01-MAR-93
Additional Info: This Product also registered for TP0 over WAN (Product ID 114)
Registration:
Date: 29-DEC-92 Basis: DERIVED
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
NCR Systems 3000, Consisting of models, 3320, 3340, 3345, 3447, 3450, 3550 and 3600. NCR UNIX SVR4, MP-RAS Release 2

Connectivity: TP4-CLNS/CLNP/LAN

Underlying Stack: NCR UNIX OSI Network Services, Ver 2.00.02 (TP4/CLNP, Product ID 51)

Protocols and Profiles: MHS Relay/(Session)
MHS Relay[X.400:1984] {P1, RTS}
MHS Session[X.410:1984]
ATS Used: ATS:1-13 AND ATS:1-14

Conformance Lab: NVLAP# 0363
Corporation for Open Systems International Test Center

Product Code/Type: P-006 MHS Relay Product ID: 84

Supplier: SUN MicroSystems, Inc. International Centre for Network Computing
32 Rue du Vieux Chene
F-38240 Meylan France
Contact: Tom Hull Tel: +33 76 41 42 18
Fax: +33 76 41 42 41
GOSIP Product Name, Release and Date:
SUNNET MHS
Version/Release: Ver 7.1
Release Date: 01-OCT-92

Registration:
Date: 25-NOV-92 Basis: DERIVED
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
SUN 4, Station 2-4/75
SUN O/S 4.0.3, 4.1, 4.1.1

Connectivity: TP0/WAN

Underlying Stack: SunNet X.25, Ver 7.0.1 Rel 1

Protocols and Profiles: MHS Relay/(Session)
MHS Relay[X.400:1984] {P1, RTS}
MHS Session[X.410:1984]
ATS Used: ATS:1-13 AND ATS:1-14

Conformance Lab: NVLAP# 0357
National Computing Centre Limited

Product Code/Type: P-006 MHS Relay Product ID: 67

Supplier: SUN MicroSystems, Inc. International Centre for Network Computing
32 Rue du Vieux Chene
F-38240 Meylan France
Contact: Tom Hull Tel: +33 76 41 42 18
Fax: +33 76 41 42 41
GOSIP Product Name, Release and Date:
SUNNET MHS Gateway
Version/Release: Ver 7.1
Release Date: 01-OCT-92

Registration:
Date: 14-OCT-92 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
SUN 4, Station 2-4/75
SUN O/S 4.0.3, 4.1, 4.1.1

Connectivity: TP4-CLNS/CLNP/LAN

Underlying Stack: SunNet OSI Ver 7.1 Rel 1

Protocols and Profiles: MHS Relay/(Session)
MHS Relay[X.400:1984] {P1, RTS}
MHS Session[X.410:1984]

ATS Used: ATS:1-13 and ATS:1-14

Conformance Lab: NVLAP# 0357
National Computing Centre Limited

Product Code/Type: P-006 MHS Relay Product ID: 118

Supplier: SUN Microsystems Federal, Incorporated
2650 Park Tower Drive, Suite 500
Vienna, VA 22180-7306

Contact: Michael Barnes Tel: (703) 204-4100
Fax: (703) 204-4782
GOSIP Product Name, Release and Date:
SunLink OSI
Version/Release: Ver 8.0
Release Date: 04-AUG-92

Registration:
Date: 04-JAN-93 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
SUN, SPARCstation 10 model 30
- MAC H/W - AMD, Lance 7990 Ethernet Controller
- MAC S/W - SUN, Solaris 2.1 Ethernet Driver, O/S Solaris 2.1
Connectivity: TP4-CLNS/CLNP/LAN

Underlying Stack: SunLink OSI 8.0 (TP4/CLNP)

Protocols and Profiles: MHS Relay/(Session)
MHS Relay[X.400:1984] {P1, RTS}
MHS Session[X.410:1984]
ATS Used: ATS:1-13 AND ATS:1-14

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-006 MHS Relay Product ID: 119

Supplier: SUN Microsystems Federal, Incorporated
2650 Park Tower Drive, Suite 500
Vienna, VA 22180-7306

Contact: Michael Barnes Tel: (703) 204-4100
Fax: (703) 204-4782

GOSIP Product Name, Release and Date:
SunLink OSI
Version/Release: Ver 8.0
Release Date: 04-AUG-92

Registration:
Date: 04-JAN-93 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
SUN, SPARCstation 10 Model 42
- MAC H/W - AMD, Lance 7990 Ethernet Controller
- MAC S/W - SUN, Solaris 2.1 Ethernet Driver, O/S Solaris 2.1
Connectivity: TP4-CLNS/CLNP/LAN

Underlying Stack: SunLink OSI 8.0 (TP4/CLNP)

Protocols and Profiles: MHS Relay/(Session)
MHS Relay[X.400:1984] {P1, RTS}
MHS Session[X.410:1984]
ATS Used: ATS:1-13 AND ATS:1-14

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-006 MHS Relay Product ID: 120

Supplier: SUN Microsystems Federal, Incorporated
2650 Park Tower Drive, Suite 500
Vienna, VA 22180-7306
Contact: Michael Barnes Tel: (703) 204-4100
Fax: (703) 204-4782
GOSIP Product Name, Release and Date:
SunLink OSI
Version/Release: Ver 8.0
Release Date: 04-AUG-92

Registration:
Date: 04-JAN-93 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
SUN, SPARCstation 10 Model 41
- MAC H/W - AMD, Lance 7990 Ethernet Controller
- MAC S/W - SUN, Solaris 2.1 Ethernet Driver, O/S Solaris 2.1

Connectivity: TP4-CLNS/CLNP/LAN

Underlying Stack: SunLink OSI 8.0 (TP4/CLNP)

Protocols and Profiles: MHS Relay/(Session)
MHS Relay[X.400:1984] {P1, RTS}
MHS Session[X.410:1984]
ATS Used: ATS:1-13 AND ATS:1-14

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-006 MHS Relay Product ID: 121

Supplier: SUN Microsystems Federal, Incorporated
2650 Park Tower Drive, Suite 500
Vienna, VA 22180-7306

Contact: Michael Barnes Tel: (703) 204-4100
Fax: (703) 204-4782
GOSIP Product Name, Release and Date:
SunLink OSI
Version/Release: Ver 8.0
Release Date: 04-AUG-92

Registration:
Date: 04-JAN-93 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
SUN, SPARCstation 4/30
- MAC H/W - AMD, Lance 7990 Ethernet Controller
- MAC S/W - SUN, Solaris 2.1 Ethernet Driver, O/S Solaris 2.1
Connectivity: TP4-CLNS/CLNP/LAN

Underlying Stack: SunLink OSI 8.0 (TP4/CLNP)

Protocols and Profiles: MHS Relay/(Session)
MHS Relay[X.400:1984] {P1, RTS}
MHS Session[X.410:1984]

ATS Used: ATS:1-13 AND ATS:1-14

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-006 MHS Relay Product ID: 122

Supplier: SUN Microsystems Federal, Incorporated
2650 Park Tower Drive, Suite 500
Vienna, VA 22180-7306
Contact: Michael Barnes Tel: (703) 204-4100
Fax: (703) 204-4782

GOSIP Product Name, Release and Date:
SunLink OSI
Version/Release: Ver 8.0
Release Date: 04-AUG-92

Registration:
Date: 04-JAN-93 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
RDI BRIGHTLITE Model IPX Color Laptop Workstation
- MAC H/W - AMD, Lance 7990 Ethernet Controller
- MAC S/W - SUN, Solaris 2.1 Ethernet Driver, O/S Solaris 2.1

Connectivity: TP4-CLNS/CLNP/LAN

Underlying Stack: SunLink OSI 8.0 (TP4/CLNP)

Protocols and Profiles: MHS Relay/(Session)
MHS Relay[X.400:1984] {P1, RTS}
MHS Session[X.410:1984]
ATS Used: ATS:1-13 AND ATS:1-14

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-007 FTAM Product ID: 113

Supplier: Bull Information Systems, Incorporated
13430 North Black Canyon Highway
Phoenix, AZ 85029

Contact: Oscar V Hefner Tel: (602) 862-6001
Fax: (602) 862-6051

GOSIP Product Name, Release and Date:
FTAMX
Version/Release: Ver 02.01.06
Release Date: 01-AUG-92

Registration:
Date: 18-DEC-92 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
DPX/2 200, O/S B.O.S. 2

Connectivity: Session/TP4-CLNS/CLNP/LAN

Underlying Stack: LT-610, Bull Information Systems

Protocols and Profiles: FTAM [ISO 8571:1988] {T1, M1}

ATS Used: ATS:1-16

Conformance Lab: NVLAP# 0370
Conformance Expert Center for OSI Bull - CECOB

Product Code/Type: P-007 FTAM Product ID: 90

Supplier: Data General Corporation
4400 Computer Drive, MS/D216
Westborough, MA 01580

Contact: Charles Stakus Tel: (508) 870-6392
Fax: (508) 898-4694

GOSIP Product Name, Release and Date:
FTAM For AViiON Systems
Version/Release: Ver 3.10
Release Date: 01-AUG-92

Registration:
Date: 13-NOV-92 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
AViiON 5000/6000 Series
DG/UX System for AViiON Systems Rev. 5.4.1

Connectivity: Session/TP4-CLNS/CLNP/LAN

Underlying Stack: OSI/Platform for AViiON Systems

Protocols and Profiles: FTAM [ISO 8571:1988] {T1, M1}

ATS Used: ATS:1-16

Conformance Lab: NVLAP# 0391
Data General Corporation, OSI Conformance Test Center

Product Code/Type: P-007 FTAM Product ID: 130

Supplier: Digital Equipment Corp
550 King Street
Littleton, MA 01460-1289

Contact: Richard A Duhamel Tel: (508) 486-5021
Fax: (508) 486-7417

GOSIP Product Name, Release and Date:
DECnet/OSI for OpenVMS
Version/Release: Ver V5.5
Release Date: 09-NOV-92

Registration:
Date: 13-JAN-93 Basis: DERIVED
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
Digital VAX
VMS Ver 5.5

Connectivity: Session/TP4-CLNS/CLNP/LAN

Underlying Stack: DECNet - OSI for Open VMS VAX Ver 5.5/VOTS Ver 3.0A
Protocols and Profiles: FTAM[ISO 8571:1988] {T1}

ATS Used: ATS:1-16

Conformance Lab: NVLAP# 0362
Digital Equipment Corp

Product Code/Type: P-007 FTAM Product ID: 53

Supplier: Digital Equipment Corporation
550 King Street
Littleton, MA 01460-1289
Contact: Ladan Porooshani Tel: (508) 486-7123
Fax:
GOSIP Product Name, Release and Date:
DECNET-VAX (TM) Extensions Ver 5.4A/VAX FTAM Ver 2.0A
Version/Release: Ver 2.0A
Release Date: 01-MAR-92

Registration:
Date: 16-AUG-92 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
Digital VAX with VMS V5.4 and DECNET-VAX V5.4 Extensions

Connectivity: TP4-CLNS/CLNP/LAN

Underlying Stack: DECNet - OSI for OpenVMS VAX Ver 5.5/VOTS Ver 3.0A
Protocols and Profiles: FTAM/(ACSE)/(Presentation)/(Session)
FTAM[ISO 8571:1988] {T1}
FTAM ACSE[ISO 8650:1988]
FTAM Presentation[ISO 8823:1988]
FTAM Session[ISO 8327:1987]
ATS Used: ATS:1-16

Conformance Lab: NVLAP# 0362
Digital Equipment Corp

Product Code/Type: P-007 FTAM Product ID: 63

Supplier: Encore Computing Corporation
6901 West Sunrise Boulevard
Ft. Lauderdale, FL 33313-4499

Contact: Augie Gonzales Tel: (305) 587-2900
Fax: (305) 797-5807
GOSIP Product Name, Release and Date:
EnComm FTAM
Version/Release: Ver 2.0.1
Release Date: 01-SEP-92

Registration:
Date: 23-SEP-92 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
Encore Infinity 90 Series GPIO I, O/S UMAX Ver 3.0.7

Connectivity: TP4-CLNS/CLNP/LAN

Underlying Stack: Encore Infininty 90 Series GPIO I

Protocols and Profiles: FTAM/(ACSE)/(Presentation)/(Session)
FTAM[ISO 8571:1988] {T1}
FTAM ACSE[ISO 8650:1988]
FTAM Presentation[ISO 8823:1988]
FTAM Session[ISO 8327:1987]
ATS Used: ATS:1-16

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-007 FTAM Product ID: 32

Supplier: Hewlett-Packard Company
19420 Homestead Road
Cupertino, CA 95014-9810
Contact: Kelly Emo Tel: (408) 447-2822
Fax: (408) 447-3660
GOSIP Product Name, Release and Date:
HP FTAM/9000 Series 800
Version/Release: Ver C.02.03 Release Date: 10-JUN-91

Registration:
Date: 30-JAN-92 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
HP9000 Series 800 computers which support LAN/9000 link product; HP-UX Operating System, Version 8.0

Connectivity: TP4-CLNS/CLNP/LAN

Underlying Stack: Unknown. Documentation was not retained.

Protocols and Profiles: FTAM/(ACSE)/(Presentation)/(Session)
FTAM[ISO 8571:1988] {T1}
FTAM ACSE[ISO 8650:1988]
FTAM Presentation[ISO 8823:1988]
FTAM Session[ISO 8327:1987]
ATS Used: ATS:1-16

Conformance Lab: NVLAP# 0365
Hewlett-Packard Company, OSI Conformance Test Center

Product Code/Type: P-007 FTAM Product ID: 135

Supplier: IBM Corporation Rome Networking Systems Laboratory
Via Paolo DiDono 44
00144 Rome Italy
Contact: Michael Sullivan Tel: +39 6 5187 2517
Fax: +39 6 5187 2467
GOSIP Product Name, Release and Date:
IBM AIX OSI MESSAGING AND FILING / 6000
Version/Release: Ver 1
Release Date: 01-DEC-90

Registration:
Date: 25-FEB-93 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
IBM AIX/6000, Ver 3.1.5, O/S RISC System 6000

Connectivity: TP4-CLNS/CLNP/LAN

Underlying Stack: None

Protocols and Profiles: FTAM/(ACSE)/(Presentation)/(Session)
FTAM[ISO 8571:1988] {T1}
FTAM ACSE[ISO 8650:1988]
FTAM Presentation[ISO 8823:1988]
FTAM Session[ISO 8327:1987]

ATS Used: ATS:1-16

Conformance Lab: NVLAP# 0392
IBM Rome Networking Systems Laboratory

Product Code/Type: P-007 FTAM Product ID: 166

Supplier: IBM Corporation Rome Networking Systems Laboratory
Via Paolo DiDono 44
00144 Rome Italy
Contact: Michael Sullivan Tel: +39 6 5187 2517
Fax: +39 6 5187 2467
GOSIP Product Name, Release and Date:
IBM OSI/File Services
Version/Release: Version 1 Release 1
Release Date: 01-JUN-90
Additional Info: Must be used with OSI/Communications Subsystem Version 1 Release 1.1, 01-DEC-90
Registration:
Date: 24-JUN-93 Basis: BASE
Type: Provisional, GOSIP Ver. 1
Hardware and Operating Systems:
(1) H/W: IBM Enterprise System/390
(1) O/S: IBM MVS/ESA Ver 3 Rel 1
(2) H/W: IBM Enterprise System/370
(2) O/S: IBM MVS/ESA Ver 3 Rel 1
Connectivity: TP4-CONS/WAN

Underlying Stack: IBM OSI/Communications Subsystem V1R1.1
IBM X.25 NCP Packet Switching Interface V3R4
Protocols and Profiles: FTAM/(ACSE)/(Presentation)/(Session)
FTAM[ISO 8571:1988] {T1}
FTAM ACSE[ISO 8650:1988]
FTAM Presentation[ISO 8823:1988]
FTAM Session[ISO 8327:1987]
ATS Used: ATS:1-16
Conformance Lab: NVLAP# 0392
IBM Rome Networking Systems Laboratory

Product Code/Type: P-007 FTAM Product ID: 52

Supplier: NCR
9900 Old Grove Road
San Diego, CA 92131
Contact: Wendy Morrison Tel: (619) 693-5665
Fax: (619) 693-5705
GOSIP Product Name, Release and Date:
NCR OSI STAR PRO FTAM
Version/Release: Ver 2.00.00 Release Date: 01-JUL-92

Registration:
Date: 07-AUG-92 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
NCR System 3000 Consisting of the following Hardware Models 3320, 3340, 3345, 3447, 3450, 3550, and 3600, NCR UNIX (MP-RAS), Release 2
Connectivity: TP4-CLNS/CLNP/WAN
TP4-CLNS/CLNP/LAN
Underlying Stack: X.25 NCR System X.25 3000
Protocols and Profiles: FTAM/(ACSE)/(Presentation)/(Session)
FTAM[ISO 8571:1988] {T1}
FTAM ACSE[ISO 8650:1988]
FTAM Presentation[ISO 8823:1988]
FTAM Session[ISO 8327:1987]
ATS Used: ATS:1-16

Conformance Lab: NVLAP# 0363
Corporation for Open Systems International Test Center

Product Code/Type: P-007 FTAM Product ID: 48

Supplier: Novell Incorporated
2180 Fortune Drive
San Jose, CA 95131
Contact: Jan Provan Tel: (408) 473-8422
Fax: (408) 433-9827
GOSIP Product Name, Release and Date:
NETWARE FTAM
Version/Release: Ver 1.2 Rev B Release Date: 20-APR-92

Registration:
Date: 24-JUN-92 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1
Hardware and Operating System Platforms:
FTAM Initiator Hub and Responder
AST Premium 386/33; Netware 3.11; Novell Ethernet Card
FTAM Initiator Executable
AST Premium 386/33; DOS 3.3; Novell NE2000 Ethernet Card

Connectivity: TP4-CLNS/CLNP/LAN

Underlying Stack: Unknown. Documentation was not retained.

Protocols and Profiles: FTAM/(ACSE)/(Presentation)/(Session)
FTAM[ISO 8571:1988] {T1}
FTAM ACSE[ISO 8650:1988]
FTAM Presentation[ISO 8823:1988]
FTAM Session[ISO 8327:1987]
ATS Used: ATS:1-16

Conformance Lab: NVLAP# 0357
National Computing Centre Limited

Product Code/Type: P-007 FTAM Product ID: 134

Supplier: Retix
2401 Colorado Avenue
Santa Monica, CA 90404
Contact: Jeff Stone Tel: (310) 828-3400
Fax: (310) 828-2255
GOSIP Product Name, Release and Date:
Retix FTAM FT-820
Version/Release: Ver 1.80
Release Date: 01-OCT-92

Registration:
Date: 01-FEB-92 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
Tatung (Intel 386), O/S UNIX System V Rel 3.2 (SCO Ver 4.0)

Connectivity: TP4-CLNS/CLNP/WAN

Underlying Stack: Retix LT-610

Protocols and Profiles: FTAM/(ACSE)/(Presentation)/(Session)
FTAM[ISO 8571:1988] {T1}
FTAM ACSE[ISO 8650:1988]
FTAM Presentation[ISO 8823:1988]
FTAM Session[ISO 8327:1987]
ATS Used: ATS:1-16

Conformance Lab: NVLAP# 0357
National Computing Centre Limited

Product Code/Type: P-007 FTAM Product ID: 126

Supplier: Retix
2401 Colorado Avenue
Santa Monica, CA 90404

Contact: Jeff Stone Tel: (310) 828-3400
Fax: (310) 828-2255

GOSIP Product Name, Release and Date:
Retix FTAM Model FT-820
Version/Release: Ver 1.80
Release Date: 01-OCT-92

Registration:
Date: 21-JAN-93 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
Intel 486 Alpha Systems Lab
UNIX System V Rel 3.2

Connectivity: Session/TP4-CLNS/CLNP/LAN

Underlying Stack: Retix LT-610

Protocols and Profiles: FTAM[ISO 8571:1988] {T1}

ATS Used: ATS:1-16

Conformance Lab: NVLAP# 0357
National Computing Centre Limited

Product Code/Type: P-007 FTAM Product ID: 68

Supplier: SUN MicroSystems, Inc. International Centre for Network Computing
32 Rue du Vieux Chene F-38240 Meylan France
Contact: Tom Hull Tel: +33 76 41 42 18
Fax: +33 76 41 42 41
GOSIP Product Name, Release and Date:
SUNNET OSI FTAM
Version/Release: Ver 7.1 Release Date: 01-OCT-92

Registration:
Date: 14-OCT-92 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
SUN 4
SUN O/S 4.0.3, 4.1, 4.1.1, 4.1.2

Connectivity: TP4-CLNS/CLNP/LAN

Underlying Stack: SUNNet OSI 7.0

Protocols and Profiles: FTAM/(ACSE)/(Presentation)/(Session)
FTAM[ISO 8571:1988] {T1}
FTAM ACSE[ISO 8650:1988]
FTAM Presentation[ISO 8823:1988]
FTAM Session[ISO 8327:1987]

ATS Used: ATS:1-16

Conformance Lab: NVLAP# 0357
National Computing Centre Limited

Product Code/Type: P-007 FTAM Product ID: 86

Supplier: SUN MicroSystems, Inc. International Centre for Network Computing
32 Rue du Vieux Chene
F-38240 Meylan France

Contact: Tom Hull Tel: +33 76 41 42 18
Fax: +33 76 41 42 41
GOSIP Product Name, Release and Date:
SUNNET OSI FTAM
Version/Release: Ver 7.1
Release Date: 01-OCT-92

Registration:
Date: 25-NOV-92 Basis: DERIVED
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
SUN 4
SUN O/S 4.0.3, 4.1, 4.1.1, 4.1.2

Connectivity: TP0/WAN

Underlying Stack: SUNNet X.25

Protocols and Profiles: FTAM[ISO 8571:1988] {T1}

ATS Used: ATS:1-16

Conformance Lab: NVLAP# 0357
National Computing Centre Limited

Product Code/Type: P-007 FTAM Product ID: 156

Supplier: SUN Microsystems Federal, Incorporated
2650 Park Tower Drive, Suite 500
Vienna, VA 22180-7306
Contact: Michael Barnes Tel: (703) 204-4100
Fax: (703) 204-4782
GOSIP Product Name, Release and Date:
SUNLink OSI FTAM
Version/Release: Ver 8.0
Release Date: 04-AUG-92
Registration:
Date: 04-JAN-93 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
SPARCstation 4/30
Solaris 2.1

Connectivity: TP4-CLNS/CLNP/LAN

Underlying Stack: SUNLink OSI 8.0

Protocols and Profiles: FTAM/(ACSE)/(Presentation)/(Session)
FTAM[ISO 8571:1988] {T1}
FTAM ACSE[ISO 8650:1988]
FTAM Presentation[ISO 8823:1988]
FTAM Session[ISO 8327:1987]

ATS Used: ATS:1-16

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-007 FTAM Product ID: 159

Supplier: SUN Microsystems Federal, Incorporated
2650 Park Tower Drive, Suite 500
Vienna, VA 22180-7306
Contact: Michael Barnes Tel: (703) 204-4100
Fax: (703) 204-4782
GOSIP Product Name, Release and Date:
SUNLink OSI FTAM
Version/Release: Ver 8.0
Release Date: 04-AUG-93

Registration:
Date: 04-JAN-93 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
SPARCstation 10 Model 42
Solaris 2.1

Connectivity: TP4-CLNS/CLNP/LAN

Underlying Stack: SUNLink OSI 8.0

Protocols and Profiles: FTAM/(ACSE)/(Presentation)/(Session)
FTAM[ISO 8571:1988] {T1}
FTAM ACSE[ISO 8650:1988]
FTAM Presentation[ISO 8823:1988]
FTAM Session[ISO 8327:1987]
ATS Used: ATS:1-16

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-007 FTAM Product ID: 158

Supplier: SUN Microsystems Federal, Incorporated
2650 Park Tower Drive, Suite 500
Vienna, VA 22180-7306
Contact: Michael Barnes Tel: (703) 204-4100
Fax: (703) 204-4782
GOSIP Product Name, Release and Date:
SUNLink OSI FTAM
Version/Release: Ver 8.0 Release Date: 04-AUG-93

Registration:
Date: 04-JAN-93 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
SPARCstation 10 Model 41
Solaris 2.1

Connectivity: TP4-CLNS/CLNP/LAN

Underlying Stack: SUNLink OSI 8.0

Protocols and Profiles: FTAM/(ACSE)/(Presentation)/(Session)
FTAM[ISO 8571:1988] {T1}
FTAM ACSE[ISO 8650:1988]
FTAM Presentation[ISO 8823:1988]
FTAM Session[ISO 8327:1987]
ATS Used: ATS:1-16

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-007 FTAM Product ID: 157

Supplier: SUN Microsystems Federal, Incorporated
2650 Park Tower Drive, Suite 500
Vienna, VA 22180-7306
Contact: Michael Barnes Tel: (703) 204-4100
Fax: (703) 204-4782

GOSIP Product Name, Release and Date:
SUNLink OSI FTAM
Version/Release: Ver 8.0 Release Date: 04-AUG-93

Registration:
Date: 04-JAN-93 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
SPARCstation 10 Model 30
Solaris 2.1

Connectivity: TP4-CLNS/CLNP/LAN

Underlying Stack: SUNLink 8.0

Protocols and Profiles: FTAM/(ACSE)/(Presentation)/(Session)
FTAM[ISO 8571:1988] {T1}
FTAM ACSE[ISO 8650:1988]
FTAM Presentation[ISO 8823:1988]
FTAM Session[ISO 8327:1987]
ATS Used: ATS:1-16

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-007 FTAM Product ID: 160

Supplier: SUN Microsystems Federal, Incorporated
2650 Park Tower Drive, Suite 500
Vienna, VA 22180-7306
Contact: Michael Barnes Tel: (703) 204-4100
Fax: (703) 204-4782
GOSIP Product Name, Release and Date:
SUNLink OSI FTAM
Version/Release: Ver 8.0 Release Date: 04-AUG-93

Registration:
Date: 04-JAN-93 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
RDI BrightLite IPX Color Laptop Workstation
Solaris 2.1

Connectivity: TP4-CLNS/CLNP/LAN

Underlying Stack: SUNLink OSI 8.0

Protocols and Profiles: FTAM/(ACSE)/(Presentation)/(Session)
FTAM[ISO 8571:1988] {T1}
FTAM ACSE[ISO 8650:1988]
FTAM Presentation[ISO 8823:1988]
FTAM Session[ISO 8327:1987]
ATS Used: ATS:1-16

Conformance Lab: NVLAP# 0364
CDA, Incorporated Open Systems Development Group

Product Code/Type: P-007 FTAM Product ID: 146

Supplier: UNISYS Corporation
8008 West Park Drive
McLean, VA 22102
Contact: Dale Pluta Tel: (703) 556-5682
Fax: (703) 556-5172
GOSIP Product Name, Release and Date:
A-Series OSI FTAM
Version/Release: Ver 40.400.0008 Release Date: 16-NOV-92
Additional Info: In conjunction with A-Series/CP2000 OSI-IPC Ver 30.00.199, Rel 11-Dec-92
Registration:
Date: 13-APR-93 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1
Hardware and Operating System Platforms:
A6
A-Series System Ver 4.0

Connectivity: TP4-CLNS/CLNP/LAN

Underlying Stack: A-Series/CP2000 OSI-IPC Ver 30.00.199 11-DEC-92

Protocols and Profiles: FTAM/(ACSE)/(Presentation)/(Session)
FTAM[ISO 8571:1988] {T1}
FTAM ACSE[ISO 8650:1988]
FTAM Presentation[ISO 8823:1988]
FTAM Session[ISO 8327:1987]
ATS Used: ATS:1-16

Conformance Lab: NVLAP# 0367
UNISYS - Open Systems Interconnection Laboratory

Product Code/Type: P-007 FTAM Product ID: 150

Supplier: UNISYS Corporation
8008 West Park Drive
McLean, VA 22102
Contact: Dale Pluta Tel: (703) 556-5682
Fax: (703) 556-5172
GOSIP Product Name, Release and Date:
A-Series OSI-FTAM Product 115/P7.1a
Version/Release: Ver 40.400.0008 Release Date: 16-NOV-92
Additional Info: Session Layer is not registered at the request of the vendor UNISYS
Registration:
Date: 06-MAY-93 Basis: DERIVED
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
A6
A-Series System Ver 4.0

Connectivity: TP4-CONS/WAN

Underlying Stack: Unisys Product 113/P4.2

Protocols and Profiles: FTAM/(ACSE)/(Presentation)
FTAM [ISO 8571:1988] {T1}
FTAM ACSE [ISO 8650:1988]
FTAM Presentation [ISO 8823:1988]
ATS Used: ATS-16

Conformance Lab: NVLAP# 0367
UNISYS - Open Systems Interconnection Laboratory

Product Code/Type: P-007 FTAM Product ID: 75

Supplier: UNISYS Corporation
8008 Westbrook Drive
McLean, VA 22102
Contact: Keith Fretz Tel: (703) 556-5665
Fax: (703) 556-5172

GOSIP Product Name, Release and Date:
OSI-FTAM
Version/Release: Rel 2R1A Release Date: 03-MAY-92

Registration:
Date: 16-OCT-92 Basis: DERIVED
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
1100/90 and all 2000 Series Systems, OS1100, Release 43R1

Connectivity: TP4-CLNS/CLNP/WAN

Underlying Stack: CP 2000 X.25

Protocols and Profiles: FTAM/(ACSE)/(Presentation)/(Session)
FTAM[ISO 8571:1988] {T1}
FTAM ACSE[ISO 8650:1988]
FTAM Presentation[ISO 8823:1988]
FTAM Session[ISO 8327:1987]

ATS Used: ATS:1-16

Conformance Lab: NVLAP# 0367
UNISYS - Open Systems Interconnection Laboratory

Product Code/Type: P-007 FTAM Product ID: 80

Supplier: UNISYS Corporation
2450 Swedesford Road
Paoli, PA 19301
Contact: Ed Kelly Tel: (215) 993-7208
Fax:
GOSIP Product Name, Release and Date:
OSI-FTAM
Version/Release: Rel 2R1A Release Date: 03-MAY-92

Registration:
Date: 01-SEP-92 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
1100/90 and all 2000 Series Systems OS1100 Release 43R1
DCP-15 through DCP-55, DCP/OS Ver 5R2A/TELCON Ver 9R1A

Connectivity: TP4-CLNS/CLNP/LAN

Underlying Stack: DCP OSITS

Protocols and Profiles: FTAM/(ACSE)/(Presentation)/(Session)
FTAM[ISO 8571:1988] {T1}
FTAM ACSE[ISO 8650:1988]
FTAM Presentation[ISO 8823:1988]
FTAM Session[ISO 8327:1987]
ATS Used: ATS:1-16

Conformance Lab: NVLAP# 0367
UNISYS - Open Systems Interconnection Laboratory

Product Code/Type: P-007 FTAM Product ID: 60

Supplier: UNISYS Corporation
2450 Swedesford Road
Paoli, PA 19301
Contact: Ed Kelly Tel: (215) 993-7208
Fax:
GOSIP Product Name, Release and Date:
OSI-FTAM
Version/Release: Rel 2R1A
Release Date: 03-MAY-92

Registration:
Date: 10-SEP-92 Basis: BASE
Type: PROVISIONAL, GOSIP VER 1

Hardware and Operating System Platforms:
1100/90 and all 2000 Series Systems OS1100 Release 43R1
DCP-15 through DCP-55, DCP/OS Ver 5R2A/TELCON Ver 9R1A

Connectivity: TP4-CLNS/CLNP/LAN

Underlying Stack: CMS 1000 7R2B PLS PCR 15312

Protocols and Profiles: FTAM/(ACSE)/(Presentation)/(Session)
FTAM[ISO 8571:1988] {T1}
FTAM ACSE[ISO 8650:1988]
FTAM Presentation[ISO 8823:1988]
FTAM Session[ISO 8327:1987]
ATS Used: ATS:1-16

Conformance Lab: NVLAP# 0367
UNISYS - Open Systems Interconnection Laboratory

5.4.4 REGISTER OF GOSIP INTEROPERABILITY TEST SUITES

Test Suites for the GOSIP Interoperability Testing provisions are listed here. Entries on this register are Provisional, valid until December 31, 1993.

ITS-1 X.400
OSINET[one], Message Handling Systems Interoperability Tests, Version 1, Edition 2, September 1990, available from: OSINET Corporation, 1750 Old Meadow Road Suite 400, McLean, VA 22102, Tel. (703) 883-2797

ITS-2 FTAM
OSINET[one], File Transfer, Access and Management Interoperability Tests, Version 1, Edition 2, June 1990, available from: OSINET Corporation, 1750 Old Meadow Road Suite 400, McLean, VA 22102, Tel. (703) 883-2797

5.4.5 REGISTER OF GOSIP INTEROPERABILITY TEST AND REGISTRATION SERVICES

Interoperability Test and Registration Services which meet the GOSIP Interoperability Testing provisions are listed here. Entries on this register are Provisional.

ITRS-1 OSINET, c/o Corporation for Open Systems International, 1750 Old Meadow Road Suite 400, McLean, VA 22102, Tel: (703) 883-2797

ITRS-2 SPAG, , PSI Operator, SPAGsa, Avenue Louise 165, Box 6, B-1050 Brussels, Belgium, Tel. 32 2 645 7811, Fax. 32 2 645 0879

5.4.6 REGISTER OF GOSIP MEANS OF TESTING

Means of Testing (MOT) for the GOSIP program of conformance testing are listed here. These MOTs relate to the protocols identified in FIPS 146 GOSIP Version 1 and FIPS 146-1 GOSIP Version 2. For further details of each MOT listed, please contact the named supplier.

Version 1 MOT entries are prefixed by 1-

Version 2 MOT entries are prefixed by 2-

MEANS OF TESTING REGISTER: WIDE AREA NETWORK

MOT 1-1 WAN TEST SYSTEMS

NOTE: Wide Area Test Systems registered under GOSIP Version 1 were deleted from the Register as of March 14, 1993.

MEANS OF TESTING REGISTER: LOCAL AREA NETWORK

NOTE: Local Area Test Systems registered under GOSIP Version 1 and not related to FTAM or MHS were deleted from the Register as of March 14, 1993.

MOT 1-2 LAN TEST SYSTEMS

Supplier: Corporation for Open Systems
1750 Old Meadow Road
McLean, VA 22102
Contact: Andrea Reitzel Tel (703) 205-2809
Fax (703) 848-4572
Test System Name, Release and Date:
COS 802.3 Test System, Ver 1.0, May 1989.

Hardware and Operating System Platform(s):
HP 16500A Logic Analyzer System Mainframe, Ver 2.0
HP 16531A 400 Mhz Scope Card, Ver 2.01
HP 16530A Timebase Card, Ver 2.0
HP 8656B Signal Generator, options 001 & 002
HP 8770A Arbitrary Waveform Synthesizer
HP 4972A LAN Protocol Analyzer with RS-232C Option, Ver B.04.01

Base/Derived: Base

Connectivity: 8802-3, Physical

Underlying Stack:

Protocols and Profiles: MAC[ISO 8802-3] (Physical Layer Signalling)

Date Registered: October 30, 1990

Type of Registration and Expiration Date:
Provisional, until October 01, 1992 GOSIP Version 1

Abstract Test Suite used: ATS:1-3

Supplier: Corporation for Open Systems
1750 Old Meadow Road
McLean, VA 22102

Contact: Andrea Reitzel Tel (703) 205-2809
Fax (703) 848-4572

Test System Name, Release and Date:
COS 802.2/802.3 10Base5 Layer 2 Test System, Ver 1.1, May 1989.
Hardware and Operating System Platform(s):
MS-DOS 3.1, IBM PC/AT Compatible
HP 4972A LAN Protocol Analyzer with RS-232C Option, Ver B.04.01
HP 8568B Signal Generator
HP 8770A Arbitrary Waveform Synthesizer
HP 16500A Logic Analyzer

Base/Derived: Base

Connectivity: MAC[802.3], Physical

Underlying Stack:

Protocols and Profiles: LLC1[8802-2]/MAC[8802-3]

Date Registered: October 30, 1990

Type of Registration and Expiration Date:
Provisional, until October 01, 1992 GOSIP Version 1

Abstract Test Suite used: ATS:1-3 and ATS:1-6

Supplier: Corporation for Open Systems
1750 Old Meadow Road
McLean, VA 22102

Contact: Andrea Reitzel Tel (703) 205-2809
Fax (703) 848-4572

Test System Name, Release and Date:
COS 802.2/802.3 10Base5 Layer 2 Test System, Ver 1.4 December 01, 1990

Hardware and Operating System Platform(s):
MS-DOS 3.1, IBM PC/AT Compatible
HP 4972A LAN Protocol Analyzer with RS-232C Option, Ver B.04.01
HP 8568B Signal Generator
HP 8770A Arbitrary Waveform Synthesizer
HP 16500A Logic Analyzer

Base/Derived: Derived

Connectivity: MAC[802.3], Physical

Underlying Stack:

Protocols and Profiles: LLC1[ISO 8802-2]/MAC[ISO 8802-3]

Date Registered: July 21, 1992

Type of Registration and Expiration Date:
Provisional, until October 01, 1992 GOSIP Version 1

Abstract Test Suite used: ATS:1-3 and ATS:1-6

MOT 1-3 CLNP TEST SYSTEMS

NOTE: CLNP Test Systems registered under GOSIP Version 1 were deleted from the Register as of March 14, 1993.

MEANS OF TESTING REGISTER: TRANSPORT

MOT 1-4 TRANSPORT TEST SYSTEMS

NOTE: Transport Test Systems registered under GOSIP Version 1 were deleted from the Register as of March 14, 1993.

MEANS OF TESTING REGISTER: SESSION

MOT 1-5 SESSION TEST SYSTEMS

Supplier: Alcatel TITN Incorporated
7011 Koll Center Parkway
Suite 200
Pleasanton, CA 94566-3101
Contact: Scott M. Schmitz Tel (703) 715-0800
Fax (703) 715-0804

Test System Name, Release and Date:
XRTLE, Session
Ver 1.1
January 30, 1992

Hardware and Operating System Platform(s):
80386 PC, Interactive 386/iX UNIX Ver 2.2
Twice source code modified Alcatel TITN Answare for X.25
Base/Derived: Derived

Connectivity: TP4-CLNS/CLNP{ES}/LAN
TP0/WAN
TP0/X.25/PLP/HDLC/RS-232C
Protocols and Profiles:
[ISO 8327] SESSION/FULL SESSION

Date Registered: August 03, 1992

Type of Registration and Expiration Date:
Provisional, until October 01, 1992 GOSIP Version 1
Abstract Test Suite used: ATS:1-10

Supplier: The National Computing Centre Limited
Oxford House, Oxford Road
Manchester, M1 7ED
United Kingdom

U.S. Contact: Andrea Reitzel Tel (703) 205-2809
U.K. Contact: Peter Bird Tel (44) 61 228-6333

Test System Name, Release and Date:
NCC:COS Session Tester
Ver 1.0
August 01, 1991

Hardware and Operating System Platform(s):
SUN 3 Series, SUN OS 4.1.1 or later
SUN 4 Series, SUN OS 4.1.1 or later

Base/Derived: Derived

Connectivity: TP0/X.25 PLP/X.25 LAP-B/RS-232C
TP2/X.25 PLP/X.25 LAP-B/V.35
TP4/X.25 PLP/X.25 LAP-B
TP4-CLNS/CLNP{ES}/LLC1{802.2}/MAC{802.3}
TP4-CLNS/CLNP{ES}/X.25 PLP/X.25 LAP-B

Protocols and Profiles:
[ISO 8327] Session/Full Session
Date Registered: July 14, 1992

Type of Registration and Expiration Date:
Provisional, until October 01, 1992 GOSIP Version 1
Abstract Test Suite used: ATS:1-10

MEANS OF TESTING REGISTER: MHS

MOT 1-6 MHS TEST SYSTEMS

Supplier: GSI-Danet Incorporated
1380 Old Freeport Road
Pittsburgh, PA 15238
Contact: Hans-Ludwig Heil Tel (412) 967-0834

Test System Name, Release and Date:
OSITEST/400,
Ver 3.3
July 01, 1990
Hardware and Operating System Platform(s):
SUN 3 Series, SUN OS 3.5
SUN 4 Series, SUN OS 4.1
DEC MicroVAX, ULTRIX 2.2
Base/Derived: Base

Connectivity: Session/TP0/X.25 PLP/X.25 LAP-B/RS-232C
Session/TP0/X.25 PLP/X.25 LAP-B/V.35
Session/TP4/CLNP{ES}/LLC1{8802.2}/MAC{8802.3}
Underlying Stack:

Protocols and Profiles:
MHS-84[X.400]{P2,P1,RTS}
MHS-84 Relay[X.400]{P1,RTS}
MHS Session[X.410:1984]
Date Registered: September 30, 1990

Type of Registration and Expiration Date:
Provisional, until October 01, 1992 GOSIP Version 1
Abstract Test Suite used: ATS:1-13, ATS:1-14, ATS:1-15

Supplier: The National Computing Centre Limited
Oxford House, Oxford Road
Manchester, M1 7ED
United Kingdom
U.S. Contact: Andrea Reitzel Tel (703) 205-2809
Fax (703) 846-8590
U.K. Contact: Peter Bird Tel (44) 61 228-6333

Test System Name, Release and Date:
NCC:COS MHS Tester, Ver 2.2.2
July 01, 1991
Hardware and Operating System Platform(s):
SUN 4 Series, SUN OS 4.1
Base/Derived: Derived

Connectivity: Session/TP0/X.25 PLP/X.25 LAP-B/RS-232C
Session/TP0/X.25 PLP/X.25 LAP-B/V.35
Session/TP4/CLNP/X.25 PLP/X.25 LAP-B/RS-232C
Session/TP4/CLNP/X.25 PLP/X.25 LAP-B/V.35
Session/TP4/CLNP/LLC1[8802-2]/MAC[8802-3]
Session/TP4/CLNP/LLC1[8802-2]/MAC[8802-4]
Underlying Stack:

Protocols and Profiles:
MHS-84[X.400] {P2,P1,RTS}
MHS-84 Relay[X.400] {P1,RTS}
MHS Session[X.410:1984]
Date Registered: August 19, 1991

Type of Registration and Expiration Date:
Provisional, until October 01, 1992 GOSIP Version 1
Abstract Test Suite used: ATS:1-13, ATS:1-14, ATS:1-15

MEANS OF TESTING REGISTER: FTAM

MOT 1-7 FTAM TEST SYSTEMS

Supplier: Alcatel TITN Incorporated
12030 Sunrise Valley Drive
Reston, VA 22091
Contact: Scott M. Schmitz Tel (703) 715-0800
Fax (703) 715-0804
Test System Name, Release and Date:
XRTLE, FTAM Ver 1.0
April 10, 1991
Hardware and Operating System Platform(s):
SUN 3 Series, SUN O.S. 4.0.3
SUN 4 Series, SUN O.S. 4.1

Base/Derived: Derived

Connectivity:
SESSION/TP0/X.25 PLP/X.25 LAP-B/RS-232C
SESSION/TP0/X.25 PLP/X.25 LAP-B.V.35
SESSION/TP4/X.25 PLP/X.25 LAP-B/V.35
SESSION/TP4/X.25 PLP/X.25 LAP-B/RS-232C
SESSION/TP4/CLNP/LLC1[802.2]/MAC[802.3]
Underlying Stack:

Protocols and Profiles:
FTAM[ISO 8571]
Date Registered: June 04, 1991

Type of Registration and Expiration Date:
Provisional, until October 01, 1992 GOSIP Version 1
Abstract Test Suite used: ATS:1-16

Supplier: Alcatel TITN Incorporated
7011 Koll Center Parkway, Suite 200
Pleasanton, CA 94566-3101

Contact: Scott M. Schmitz Tel (703) 715-0800
Fax (703) 715-0804

Test System Name, Release and Date:
XRTLE, FTAM Ver 1.2
January 30, 1992

Hardware and Operating System Platform(s):
80386 PC, Interactive 386/iX UNIX Ver 2.2

Base/Derived: Derived

Connectivity:
Session/TP4/CLNP/LLC1[802.2]/MAC[802.3]
Session/TP0/X.25 PLP/HDLC/RS-232C
Session/TP4/X.25 PLP/X.25 LAP-B/RS-232C and V.35

Underlying Stack:

Protocols and Profiles: FTAM[ISO 8571]

Date Registered: August 03, 1992

Type of Registration and Expiration Date:
Provisional, until October 01, 1992 GOSIP Version 1

Abstract Test Suite used: ATS:1-16

Supplier: GSI-Danet Incorporated
1380 Old Freeport Road
Pittsburgh, PA 15238

Contact: Hans-Ludwig Heil Tel (412) 967-0834

Test System Name, Release and Date:
OSITEST/FTAM,
Ver 2.4
July 01, 1990

Hardware and Operating System Platform(s):
SUN 3 Series, SUN OS 3.5
SUN 4 Series, SUN OS 4.1
DEC MicroVAX, ULTRIX 2.2

Base/Derived: Base

Connectivity: Session/TP0/WAN
Session/TP4/CLNP/LAN

Protocols and Profiles:
ISO 8571 FTAM; ISO 8823 Presentation; ISO 8650 ACSE
FTAM Session[ISO 10607-1:1990]

Date Registered: September 30, 1990

Type of Registration and Expiration Date:
Provisional, until October 01, 1992 GOSIP Version 1

Abstract Test Suite used: ATS:1-16

Supplier: The National Computing Centre Limited
Oxford House, Oxford Road
Manchester, M1 7ED
United Kingdom
U.S. Contact: Andrea Reitzel Tel (703) 205-2809
Fax (703) 846-8590
U.K. Contact: Peter Bird Tel (44) 61 228-6333

Test System Name, Release and Date:
NCC:COS FTAM Tester, Ver 2.2.2
July 01, 1991
Hardware and Operating System Platform(s):
SUN 4 Series, SUN OS 4.1

Base/Derived: Derived

Connectivity: Session/TP0/X.25 PLP/HDLC LAP-B/RS-232C
Session/TP0/X.25 PLP/HDLC LAP-B/V.35
Session/TP4/CLNP/X.25 PLP/HDLC LAP-B/RS-232C
Session/TP4/CLNP/X.25 PLP/HDLC LAP-B/V.35
Session/TP4/CLNP/MAC[802.3]/LLC1[802.2]
Session/TP4/CLNP/MAC[8802-4]/LLC1[8802-2]
Protocols and Profiles:
FTAM[ISO 8571]; Presentation[ISO 8823]; ACSE[ISO 8650]
FTAM Session[ISO 8327: 1987]

Date Registered: August 01, 1991

Type of Registration and Expiration Date:
Provisional, until October 01, 1992 GOSIP Version 1

Abstract Test Suite used: ATS:1-16

Supplier: The National Computing Centre Limited
Oxford House, Oxford Road
Manchester, M1 7ED
United Kingdom
U.S. Contact: Andrea Reitzel Tel (703) 205-2809
Fax (703) 846-8590
U.K. Contact: Peter Bird Tel (44) 61 228-6333

Test System Name, Release and Date:
NCC:COS FTAM Tester,
Ver 2.3.1
March 18, 1992

Hardware and Operating System Platform(s):
SUN 3 Series, SUN OS 4.1 or later
SUN 4 Series, SUN OS 4.1 or later

Base/Derived: Derived

Connectivity: ACSE/Presentation/Session/TP0/X.25 PLP/X.25 LAP-B
ACSE/Presentation/Session/TP2/X.25 PLP/X.25 LAP-B
ACSE/Presentation/Session/TP4/X.25 PLP/X.25 LAP-B
ACSE/Presentation/Session/TP4/CLNP

Protocols and Profiles:
FTAM[ISO 8571]; Presentation[ISO 8823]; ACSE[ISO 8650]
FTAM Session Platform[ISO 8327: 1987]
Date Registered: April 23, 1992

Type of Registration and Expiration Date:
Provisional, until October 01, 1992 GOSIP Version 1

Abstract Test Suite used: ATS:1-16

Supplier: The National Computing Centre Limited
Oxford House, Oxford Road
Manchester, M1 7ED
United Kingdom
U.S. Contact: Andrea Reitzel Tel (703) 205-2809
U.K. Contact: Peter Bird Tel (44) 61 228-6333

Test System Name, Release and Date:
NCC:COS FTAM Tester,
Ver 2.4
March 05, 1992
Hardware and Operating System Platform(s):
SUN 3 Series, SUN OS 4.1 or later
SUN 4 Series, SUN OS 4.1 or later

Base/Derived: Derived

Connectivity: Session/TP0/X.25 PLP/X.25 LAP-B
Session/TP2/X.25 PLP/X.25 LAP-B
Session/TP4/X.25 PLP/X.25 LAP-B
Session/TP4/CLNP

Protocols and Profiles:
FTAM[ISO 8571]; ACSE[ISO 8650]; Presentation[ISO 8823];
FTAM Session[ISO 10607-1]

Date Registered: July 14, 1992

Type of Registration and Expiration Date:
Provisional, until October 01, 1992 GOSIP Version 1

Abstract Test Suite used: ATS:1-16

REGISTER OF GOSIP MEANS OF TESTING GOSIP VERSION 2

Means of Testing (MOT) for the GOSIP program of conformance testing are listed here. These MOTs relate to the protocols identified in FIPS 146-1 GOSIP Version 2. The type of registration and expiration date are listed with each MOT. For further details of each MOT listed, please contact the named supplier.

MEANS OF TESTING REGISTER: WIDE AREA NETWORKS

MOT 2-1 WIDE AREA NETWORK

Supplier: International Business Machines
P.O. Box 12195
Research Triangle Park, NC 27709
Contact: John G. Conner Tel (919) 254-2679
Fax
Test System Name, Release and Date:
Automated Protocol Test System/2 (APTS/2), Ver 1.1
August 03, 1992
Hardware and Operating System Platform(s):
IBM PS/2 Model 70, 80, or 90 with 8MB memory, OS/2 Ver 1.3
Base/Derived: Base

Connectivity: RS-232C, V.3

Protocols and Profiles:
X.25 PLP[8208] (X.25 LAP-B[7776]) {CCITT 1980, 1984, ISO 8208}
Date Registered: December 14, 1992
Type of Registration and Expiration Date:
FULL, until October 01, 1994 GOSIP Version 2
Abstract Test Suite used: ATS:2-1 (99.7%) and ATS:2-2 (100%) FULL X.25 WITH THE INCLUSION OF ANSI DEFECT REPORTS.

Supplier: Hewlett-Packard Company
42115 Street
Edmonton, Alberta, T6E5R5
Canada
Contact: Bill Mortimer Tel (403) 462-4545
Fax
Test System Name, Release and Date:
ISO 8882 Test Suite
Ver 3.0
September 01, 1992

Hardware and Operating System Platform(s):
PT300, PT302, PT500, PT502, and PT540, O/S Ver 2.0

Base/Derived: Base

Connectivity: RS-232C, V.35

Protocols and Profiles: X.25 PLP[8208] (X.25 LAP-B[7776]) {CCITT 1980, 1984, ISO 8208}

Date Registered: January 29, 1993

Type of Registration and Expiration Date:
FULL, until October 01, 1994 GOSIP Version 2

Abstract Test Suite used: ATS:2-1 (99.7%) and ATS:2-2 (100%) FULL X.25 WITH THE INCLUSION OF ANSI DEFECT REPORTS.

Supplier: Hewlett-Packard Company
42115 Street
Edmonton, Alberta, T6E5R5
Canada

Contact: Bill Mortimer Tel (403) 462-4545
Fax

Test System Name, Release and Date:
ISO 8882 Test Suite
Ver 3.1
February 01, 1993

Hardware and Operating System Platform(s):
PT300, PT302, PT500, PT502, and PT540, O/S Ver 2.0 (PT500/300), 2.7 (PT502/302) and 2.8 (PT540)

Base/Derived: Derived

Connectivity: RS-232C, V.35

Protocols and Profiles:
X.25 PLP[8208]
(X.25 LAP-B[7776]) {CCITT 1980, 1984, ISO 8208}

Date Registered: February 17, 1993

Type of Registration and Expiration Date:
FULL, until October 01, 1994 GOSIP Version 2

Abstract Test Suite used: ATS:2-1 (99.7%) and ATS:2-2 (100%) FULL X.25 WITH THE INCLUSION OF ANSI DEFECT REPORTS.

Supplier: TEKELEC
26580 W. Agoura Road
Calabasas, CA 91302
Contact: Siamak Pousabahian Tel (818) 880-7952
Fax (818) 880-6993

Test System Name, Release and Date:
Chameleon 32 Plus, ISO 8882 Test Suite Ver 1.0
July 14, 1992

Hardware and Operating System Platform(s):
Chameleon 32 Plus
MTOS-UX

Base/Derived: Base

Connectivity: RS-232C, V.35

Protocols and Profiles:
X.25 PLP/X.25 LAP-B
X.25 PLP[ISO 8208:1990] {CCITT 1984}
X.25 LAP-B[ISO 7776:1986] {CCITT 1984}

Date Registered: February 08, 1993

Type of Registration and Expiration Date:
FULL, until October 01, 1994 GOSIP Version 2

Abstract Test Suite used: ATS:2-1 (100%) and ATS:2-2 (100%) FULL X.25 WITH THE INCLUSION OF ANSI DEFECT REPORTS.

Supplier: TEKELEC
26580 W. Agoura Road
Calabasas, CA 91302

Contact: Pierre Prescott Tel (880) 880-7780
Fax (818) 880-6993

Test System Name, Release and Date:
Chameleon 32 Plus, ISO 8882 Test Suite
Ver 2.0
December 17, 1992

Hardware and Operating System Platform(s):
Chameleon 32 Plus
MTOS-UX

Base/Derived: Derived

Connectivity: RS-232C, V.35

Protocols and Profiles:
X.25 PLP/X.25 LAP-B
X.25 PLP[ISO 8208:1990] {CCITT 1984}
X.25 LAP-B[ISO 7776:1986] {CCITT 1984}

Date Registered: May 12, 1993

Type of Registration and Expiration Date:
FULL, until October 01, 1994 GOSIP Version 2

Abstract Test Suite used: ATS:2-1 (100%) and ATS:2-2 (100%)

Supplier: Alcatel TITN Incorporated
7011 Koll Center Parkway, Suite 200
Pleasanton, CA 94566-3101

Contact: Scott M. Schmitz Tel (703) 715-0800
Fax (703) 715-0804

Test System Name, Release and Date:
XRTLE Ver 4.21
CLNP Ver 1.1
January 29, 1992

Hardware and Operating System Platform(s):
80386 PC, Interactive 386/iX UNIX Ver 3.0 over (LAN) CMC 640 A.T. Type CMC

Base/Derived: Base

Connectivity: LLC1{802.2}/MAC{802.3}

Protocols and Profiles:
CLNP{ES}[ISO 8473]

Date Registered: January 11, 1993

Type of Registration and Expiration Date:
Provisional until October 01, 1994 GOSIP Version 2

Abstract Test Suite used: ATS:2-7 (90.9% With use of manual assessment)

Supplier: The National Computing Centre Limited
Oxford House, Oxford Road
Manchester M1 7ED
United Kingdom

Contact: Peter Bird Tel (44) 612286333
Fax

Test System Name, Release and Date:
NCC IP (CLNP) Test System,
Ver 2.2.1
March 01, 1991
ITS Ver 2.3

Hardware and Operating System Platform(s):
SUN OS 4.1.2, SUN SPARCstation 330, SUNNET OSI Ver 7.0

Base/Derived: Base

Connectivity: LLC1{802.2}/MAC{802.3}

Protocols and Profiles:
CLNP{ES}[ISO 8473]

Date Registered: March 03, 1993

Type of Registration and Expiration Date:
Provisional until October 01, 1994 GOSIP Version 2 (Level 1)

Abstract Test Suite used: ATS:2-7 (97.0% With use of manual assessment)

MEANS OF TESTING REGISTER: TRANSPORT

MOT 2-4 TRANSPORT TEST SYSTEMS

Supplier: Alcatel TITN Incorporated
7011 Koll Center Parkway, Suite 200
Pleasanton, CA 94566-3101
Contact: Scott M. Schmitz Tel (703) 715-0800
Fax (703) 715-0804

Test System Name, Release and Date:
XRTLE Ver 4.21
TR02(TP0) Ver 1.1
(Transport Class 0)
January 29, 1992

Hardware and Operating System Platform(s):
80386 based PC, Interactive 386/iX UNIX Ver 2.2 TWICE Source code modified by Alcatel TITN ANSWARE

Base/Derived: Base

Connectivity: X.25 PLP/X.25 LAP-B/RS-232C

Underlying Stack:

Protocols and Profiles:
ISO 8073:1988, Transport Class 0
Date Registered: February 01, 1993

Type of Registration and Expiration Date:
Provisional until October 01, 1994 GOSIP Version 2
Abstract Test Suite used: ATS:2-8 (87%)

Supplier: Alcatel TITN Incorporated
7011 Koll Center Parkway, Suite 200
Pleasanton, CA 94566-3101
Contact: Scott M. Schmitz Tel (703) 715-0800
Fax (703) 715-0804

Test System Name, Release and Date:
XRTLE Ver 4.21
TR02(TP2) Ver 1.1
(Transport Class 2)
January 29, 1992

Hardware and Operating System Platform(s):
80386 based PC
Interactive 386/iX UNIX Ver 2.2
TWICE Source code modified by Alcatel TITN ANSWARE for X.25

Base/Derived: Base

Connectivity: X.25 PLP/X.25 LAP-B/RS-232C

Protocols and Profiles:
Transport Class 2 [ISO 8073:1988]

Date Registered: March 05, 1993

Type of Registration and Expiration Date:
Provisional until October 01, 1994 GOSIP Version 2

Abstract Test Suite used: ATS:2-20 (92.7%) (93.7% With use of manual assessment)

Supplier: Alcatel TITN Incorporated
7011 Koll Center Parkway, Suite 200
Pleasanton, CA 94566-3101

Contact: Scott M. Schmitz Tel (703) 715-0800
Fax (703) 715-0804

Test System Name, Release and Date:
XRTLE Ver 4.21
TP4-CONS Ver 2.3
January 29, 1992

Hardware and Operating System Platform(s):
80386 based PC
Interactive 386/iX UNIX Ver 2.2
TWICE Source code modified by Alcatel TITN ANSWARE for X.25

Base/Derived: Base

Connectivity: X.25 PLP/HDLC LAP-B/RS-232C

Protocols and Profiles:
TP4-CONS[ISO 8073:1988]

Date Registered: March 02, 1993

Type of Registration and Expiration Date:
Provisional until October 01, 1994 GOSIP Version 2

Abstract Test Suite used: ATS:2.3 (86.5%) (89.1% With use of manual assessment)

Supplier: Alcatel TITN Incorporated
7011 Koll Center Parkway, Suite 200
Pleasanton, CA 94566-3101

Contact: Scott M. Schmitz Tel (703) 715-0800
Fax (703) 715-0804

Test System Name, Release and Date:
XRTLE Ver 4.21
TP4-CLNS Ver 2.41
January 29, 1992

Hardware and Operating System Platform(s):
80386 based PC, Interactive 386/iX UNIX Ver 2.2, TWICE Source code modified by Alcatel TITN ANSWARE for CLNP

Base/Derived: Base

Connectivity: CLNP{ES}/LLC1{802.2}/MAC{802.3}

Protocols and Profiles:
TP2[ISO 8073:1988]

Date Registered: March 05, 1993

Type of Registration and Expiration Date:
Provisional until October 01, 1994 GOSIP Version 2

Abstract Test Suite used: ATS:2-20 (94.7%) (95.3% With use of manual assessment)

Supplier: The National Computing Centre Limited
Oxford House, Oxford Road
Manchester M1 7ED
United Kingdom
Contact: Peter Bird Tel 011-44-612-286-333
Fax 011-44-612-369-877
Internet peter@ncc.co.uk
USA: Robert Clark Technical Support Executive
Tel (510) 687-3002
Fax (510) 685-2864
Internet rob@premenos.sf.ca.us
Test System Name, Release and Date:
NCC ITS Transport Test System, Class 0 Release 3.0
January 04, 1992
ITS Protocol Engine Ver 2.3
Hardware and Operating System Platform(s):
SUN 3 or SUN 4 Series operating SUN OS 4.1.1 or later
SUNNet 7.0 X.25 + OSI

Base/Derived: Base

Connectivity: X.25 PLP/X.25 LAP-B/RS-232C

Protocols and Profiles:
TP0[ISO 8073:1988]

Date Registered: March 31, 1993

Type of Registration and Expiration Date:
Provisional until October 01, 1994 GOSIP Version 2

Abstract Test Suite used: ATS:2-8 (85.2%) (88.9% With use of manual assessment)

Supplier: The National Computing Centre Limited
Oxford House, Oxford Road
Manchester M1 7ED
United Kingdom
Contact: Peter Bird Tel 011-44-612-286-333
Fax 011-44-612-369-877
Internet peter@ncc.co.uk
USA: Robert Clark, Technical Support Executive
Tel (510) 687-3002
Fax (510) 685-2864
Internet rob@premenos.sf.ca.us
Test System Name, Release and Date:
NCC ITS Transport Test System, Class 2 Release 3.0
January 04, 1992
ITS Protocol Engine Ver 2.3

Hardware and Operating System Platform(s):
SUN 3 or SUN 4 Series operating SUN OS 4.1.1 or later
SUNNet 7.0 X.25 + OSI

Base/Derived: Base

Connectivity: X.25 PLP/X.25 LAP-B/RS-232C

Protocols and Profiles:
TP2[ISO 8073:1988]

Date Registered: March 31, 1993

Type of Registration and Expiration Date:
Provisional until October 01, 1994 GOSIP Version 2
Abstract Test Suite used: ATS:2-20 (66.5%) (71.8% With use of manual assessment)

Supplier: The National Computing Centre Limited
Oxford House, Oxford Road
Manchester M1 7ED
United Kingdom
Contact: Peter Bird Tel 011-44-612-286-333
Fax 011-44-612-369-877
Internet peter@ncc.co.uk
USA: Robert Clark, Technical Support Executive
Tel (510) 687-3002
Fax (510) 685-2864
Internet rob@premenos.sf.ca.us
Test System Name, Release and Date:
NCC ITS Transport Test System, Class 4/CONS Release 3.0
January 04, 1992
ITS Protocol Engine Ver 2.3
Hardware and Operating System Platform(s):
SUN 3 or SUN 4 Series operating SUN OS 4.1.1 or later
SUNNet 7.0 X.25 + OSI
Base/Derived: Base

Connectivity: X.25 PLP/X.25 LAP-B/RS-232C

Protocols and Profiles:
TP4-CONS[ISO 8073:1988]

Date Registered: March 31, 1993

Type of Registration and Expiration Date:
Provisional until October 01, 1994 GOSIP Version 2

Abstract Test Suite used: ATS:2.3 (77.8%) (81.6% With use of manual assessment)

Supplier: The National Computing Centre Limited
Oxford House, Oxford Road
Manchester M1 7ED
United Kingdom
Contact: Peter Bird Tel 011-44-612-286-333
Fax 011-44-612-369-877
Internet peter@ncc.co.uk
USA: Robert Clark, Technical Support Executive
Tel (510) 687-3002
Fax (510) 685-2864
Internet rob@premenos.sf.ca.us

Test System Name, Release and Date:
NCC ITS Transport Test System, Class 4/CLNS Release 3.0
May 01, 1992
ITS Protocol Engine Ver 2.3
Hardware and Operating System Platform(s):
SUN 3 or SUN 4 Series operating SUN OS 4.1.1 or later
SUNNet 7.0 or later (CLNP OSI)

Base/Derived: Base

Connectivity: LLC1{802.2}/MAC{802.3}

Protocols and Profiles:
TP4-CLNS[ISO 8073:1988/Add.2:1989]

Date Registered: March 31, 1993

Type of Registration and Expiration Date:
Provisional until October 01, 1994 GOSIP Version 2
Abstract Test Suite used: ATS:2.3 (86.5%) (88.9% With use of manual assessment)

MOT 2-5 SESSION TEST SYSTEMS

Supplier: Alcatel TITN Incorporated
7011 Koll Center Parkway, Suite 200
Pleasanton, CA 94566-3101

Contact: Scott M. Schmitz Tel (703) 715-0800
Fax (703) 715-0804

Test System Name, Release and Date:
XRTLE Ver 4.21
SESSION Ver 1.1
January 29, 1992
Hardware and Operating System Platform(s):
80386 PC, Interactive 386/iX UNIX (tested with Version 3.0, vendor claims support for 2.2 and higher) over TWICE Source code modified by Alcatel TITN ANSWARE for Transport, CLNP, LLC1

Base/Derived: Base

Connectivity: TP4/CLNP{ES}/LLC1{802.2}/MAC{802.3}

Protocols and Profiles:
Session[ISO 8327]
Date Registered: January 14, 1993

Type of Registration and Expiration Date:
Provisional until October 01, 1994 GOSIP Version 2
Abstract Test Suite used: ATS:2-10.1 (98.4%) (98.6% With use of manual assessment)

MEANS OF TESTING REGISTER: MHS

MOT 2-6 MHS TEST SYSTEMS

Supplier: Alcatel TITN Incorporated
7011 Koll Center Parkway, Suite 200
Pleasanton, CA 94566-3101
Contact: Scott M. Schmitz Tel (703) 715-0800
Fax (703) 715-0804

Test System Name, Release and Date:
GENEPX400
Ver 2.6
June 28, 1992
Hardware and Operating System Platform(s):
80386 PC, Interactive 386/iX UNIX Ver 2.2 over SEMA group software for Session, TP0, OST PCXNet Card running OST X.25 S/W
Base/Derived: Base

Connectivity: TP0/X.25 PLP/X.25 LAP-B/RS-232C

Protocols and Profiles:
MHS-84[x.400] {P2, P1, RTS}

Date Registered: February 04, 1993

Type of Registration and Expiration Date:
Provisional until October 01, 1994 GOSIP Version 2
Abstract Test Suite used: ATS:2-13.2 (67.16%) (82.09% With use of manual assessment)
ATS:2-13.3 (90.53%)
ATS:2-13.4 (94.18%) (96.83% With use of manual assessment)

Supplier: The National Computing Centre Limited
Oxford House, Oxford Road
Manchester M1 7ED
United Kingdom
Contact: Peter Bird Tel 011-44-61-228-6333
Fax 011-44-61-236877
Internet peter@ncc.co.uk
Test System Name, Release and Date:
84mhs Ver 1.0
February 01, 1993
Additional Information: ITS Protocol Engine Release 24
Hardware and Operating System Platform(s):
SUN SPARCstation 4/330 with SunOS 4.1.2
SunNET 7.0 X.25 + SunNET OSI 7.0 (TP0)
OpenWindows 2.0 (not recommended) OpenWindows 3.0
SunLink 8.0 X.25 + SunLink OSI 8.0 (TP0)
Base/Derived: Base

Connectivity: TP0/WAN

Protocols and Profiles:
MHS[X.400:1984] {P2, P1, RTS}
MHS Session [X.410:1984]
Date Registered: May 24, 1993

Type of Registration and Expiration Date:
Provisional until October 01, 1994 GOSIP Version 2
Abstract Test Suite used: Session 2-13.1 (65.4%)
RTS 2-13.2 (97.1%)
P1 2-13.3 (85.21%, 1992.3%)
P2 2-13.4 (82.01%)

MEANS OF TESTING REGISTER: FTAM

MOT 2-7 FTAM TEST SYSTEMS

Supplier: Alcatel TITN Incorporated
7011 Koll Center Parkway, Suite 200
Pleasanton, CA 94566-3101
Contact: Scott M. Schmitz Tel (703) 715-0800
Fax (703) 715-0804
Test System Name, Release and Date:
XRTLE Ver 4.21
FTAM Ver 1.31
January 29, 1992
Hardware and Operating System Platform(s):
80386 PC, Interactive 386/iX UNIX Ver 2.2 over TWICE Source code modified by Alcatel TITN ANSWARE for Session, Transport, CLNP, LLC1, X.25
Base/Derived: Base

Connectivity: Session/TP4/CLNP{ES}/LLC1{802.2}/MAC{802.3}
Session/TP4/X.25 PLP/X.25/RS-232C
Session/TP0/X.25 PLP/X.25/RS-232C
Protocols and Profiles:
FTAM[ISO 8571: 1988], {T1}Simple File Transfer Protocol

Date Registered: January 25, 1993

Type of Registration and Expiration Date:
Provisional until October 01, 1994 GOSIP Version 2

Abstract Test Suite used: ATS:2-16.1 (78%) (84% With use of manual assessment)

Supplier: GSI-Danet, Incorporated
1380 Old Freeport Road
Pittsburgh, PA 15237
Contact: Hans-Ludwig Heil Tel (412) 967-0834

Test System Name, Version, Release and Date:
OSITEST/FTAM Version 2.6.3.2
01-MAR-93
Additional Information:
OSITEST/TCM Version 2.1.4

Hardware and Operating System Platform(s):
Sun4 330, SunOS 4.1.1
Base/Derived: Base
Connectivity: TP4-CLNS/CLNP{ES}/LAN
TP0/WAN
Underlying Stack: SunNet OSI 7.0
SunNet X.25 7.0
Protocols and Profiles:
FTAM/(ACSE)/(Presentation)/(Session)
FTAM[ISO 8571:1988]{T1, M1, T2, A1, R&R}
FTAM ACSE[ISO 8650:1988]
FTAM Presentation[ISO 8823:1987]{ASN.1}
FTAM Session[ISO 8327:1987]{R&R}
Date Registered: 28-JUN-93
Type of Registration and Expiration Date:
Provisional, GOSIP VER 2, until 01-OCT-94
Abstract Test Suite used:
ATS:2-16.2(91%), ATS:2-16.4(83%), ATS:2-16.6(90%), ATS:2-16.7(87%), ATS:2-16.8(93%), ATS:2-16.9(82%), ATS:2-16.10(81%), ATS:2-16.11(95%), ATS:2-16.12(90%), ATS:2-16.13(73%)

Supplier: National Computing Centre, Ltd
Oxford Road
Manchester M17ED
United Kingdom
Contact: Robert Clark Tel (510) 687-3002
Fax
Test System Name, Version, Release and Date:
FTAM Version 3.0
Additional Information: FTAM Test System includes the PICStool and the Integrated Tool Set includes the NCC Test Engine Release 2.4, PIXIT Tool, PCTR Tool, OSIlook, OSItool, X-BROWSE, OsmOSIs analysis tools
Hardware and Operating System Platform(s):
Sun4 330, SunOS 4.1.2
Base/Derived: Base
Connectivity: TP4-CLNS/CLNP{ES}/LAN
TP4-CLNS/CLNP{ES}/WAN
TP0/WAN
Underlying Stack: SunNet OSI 7.0
SunNet X.25 7.0
Protocols and Profiles:
FTAM/(ACSE)/(Presentation)/(Session)
FTAM[ISO 8571:1988]{T1, M1, T2, A1, R&R}
FTAM ACSE[ISO 8650:1988]
FTAM Presentation[ISO 8823:1987]{ASN.1}
FTAM Session[ISO 8327:1987]{R&R}
Date Registered: June 28, 1993
Type of Registration and Expiration Date:
Provisional, GOSIP VER 2, until October 01, 1994
Abstract Test Suite used:
ATS:2-16.2(94%), ATS:2-16.3(75%), ATS:2-16.6(90%)
ATS:2-16.7(96%), ATS:2-16.8(88%), ATS:2-16.9(100%)
ATS:2-16.10(95%), ATS:2-16.11(95%), ATS:2-16.12(94%)
ATS:2-26.13(97%)

5.4.7 US GOSIP PICS PROFORMA

PICS Proforma ID: 1
Protocol/Profile: X.25 HDLC PLP
GOSIP Version: 2
Reference ATS: 2-2

Organization: NIST/JITC
Title: US GOSIP Protocol Implementation Conformance Statement Proforma for Packet Layer (ISO 8208)
Issue/Number: None
Date: March 1992

Addl Document: None
Organization:
Title:
Issue/Number:
Date:

Additional Info: None

PICS Proforma ID: 2
Protocol/Profile: X.25 HDLC LAP-B
GOSIP Version: 2
Reference ATS: 2-1

Organization: NIST/JITC
Title: US GOSIP Protocol Implementation Conformance Statement Proforma for Data Link Layer (ISO 7776)
Issue/Number: None
Date: March 1992

Addl Document: None
Organization:
Title:
Issue/Number:
Date:

Additional Info: None

PICS Proforma ID: 3
Protocol/Profile: CLNP
GOSIP Version: 2
Reference ATS: 2-7

Organization: NIST/JITC
Title: US GOSIP Protocol Implementation Conformance Statement Proforma for Connectionless Network Layer Protocol (ISO 8473)
Issue/Number: None
Date: March 1992

Addl Document: None
Organization:
Title:
Issue/Number:
Date:

Additional Info: None

PICS Proforma ID: 4
Protocol/Profile: ES-IS
GOSIP Version: 2
Reference ATS: TBD

Organization: ISO
Title: Annex A, PICS Proformas [ISO 9542:1988(E)]
Issue/Number: ISO 9542
Date: 15 August 1988

Addl Document: Interim Profile Specific ICS
Organization: JITC
Title: Interim ISO 9542 (1988) Profile Specific ICS Proforma
Issue/Number: None
Date: July 1992
Additional Info: ICS to be submitted to OIW for consideration

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PICS Proforma ID: 5
Protocol/Profile: TP0, TP2, TP4
GOSIP Version: 2
Reference ATS: 2-8, 2-9.1, 2-9.2, 2-9.3, 2-20

Organization: NIST/JITC
Title: US GOSIP Protocol Implementation Conformance Statement Proforma for TRANSPORT Class 0, 2, and 4 Protocols (ISO 8073:1988)
Issue/Number: None
Date: June 1993

Addl Document: None
Organization:
Title:
Issue/Number:
Date:

Additional Info: None

PICS Proforma ID: 6
Protocol/Profile: TP0, TP4
GOSIP Version: 2
Reference ATS: 1-8, 1-9, 2-8, 2-9.1, 2-9.2, 2-9.3

Organization: NIST/JITC
Title: US GOSIP Protocol Implementation Conformance Statement Proforma for Transport Class 0 and 4 Protocols (ISO 8073)
Issue/Number: None
Date: March 1992

Addl Document: None
Organization:
Title:
Issue/Number:
Date:

Additional Info: None

PICS Proforma ID: 7
Protocol/Profile: CLTP
GOSIP Version: 2
Reference ATS:

Organization: ISO
Title: Draft Amendment ISO 8602:1987/DAM 1:PICS Proforma
Issue/Number: None
Date: April 1993

Addl Document: None
Organization:
Title:
Issue/Number:
Date:

Additional Info: Voting Terminates on 29 Oct 1993 for ISO 8602:1987/DAM 1

PICS Proforma ID: 8
Protocol/Profile: MHS-84 {RTS, P1, P2}
GOSIP Version: 1
Reference ATS: 1-13, 1-14, 1-15

Organization: Corporation for Open Systems (COS)
Title: COS Stack Specification COS/AMH113
Issue/Number: Version 1.2
Date: 15 April 1992

Addl Document: None
Organization:
Title:
Issue/Number:
Date:

Additional Info: None

PICS Proforma ID: 9
Protocol/Profile: MHS-84 {RTS, P1, P2}
GOSIP Version: 2
Reference ATS: 2-13.2, 2-13.3, 2-13.4

Organization: Corporation for Open Systems (COS)
Title: COS Stack Specification COS/AMH113
Issue/Number: Version 1.2
Date: 15 April 1992

Addl Document: None
Organization:
Title:
Issue/Number:
Date:

Additional Info: None

PICS Proforma ID: 10
Protocol/Profile: Session
GOSIP Version: 2
Reference ATS: 2-10.1, 2-10.2

Organization: ISO
Title: Basic connection oriented session Protocol Implementation Conformance Statement (PICS) Proforma
Issue/Number: 8327-2
Date: 22 Oct 1992

Addl Document: None
Organization:
Title:
Issue/Number:
Date:

Additional Info: JITC is producing an addendum - several changes to align this PICS with US GOSIP

PICS Proforma ID: 11
Protocol/Profile: MHS-84 {Session}
GOSIP Version: 2
Reference ATS: 2-13.1

Organization: Corporation for Open Systems (COS)
Title: COS Stack Specification COS/AMH113
Issue/Number: Version 1.2
Date: 15 April 1992

Addl Document: None
Organization:
Title:
Issue/Number:
Date:

Additional Info: None

PICS Proforma ID: 12
Protocol/Profile: FTAM ACSE
GOSIP Version: 2
Reference ATS: 2-16.9

Organization: ISO
Title: ACSE Protocol Implementation Conformance Statement (PICS) Proforma
Issue/Number: 8650-2
Date: 22 October 1992

Addl Document: None
Organization:
Title:
Issue/Number:
Date:

Additional Info: Adjust requirements to conform to FTAM

PICS Proforma ID: 13
Protocol/Profile: FTAM
GOSIP Version: 2
Reference ATS: 2-16 Series

Organization: ISO/IEC
Title: Protocol Implementation Conformance Statement ISO 8571, Part 5
Issue/Number: First Edition
Date: 15 December 1990

Addl Document: Profile Requirements List for NIST OIW FTAM Phase 3
Organization: NIST/JITC
Title: Stable Implementation Agreements for OSI Protocols: Part 10 - FTAM Phase 3
Issue/Number: Version 5, Edition 1
Date: December 1991

Additional Info: None

PICS Proforma ID: 14
Protocol/Profile: FTAM Presentation
GOSIP Version: 2
Reference ATS: 2-16.10

Organization: ISO
Title: Presentation Protocol Implementation Conformance Statement (PICS) Proforma
Issue/Number: 8823-2
Date: 22 Oct 1992

Addl Document: None
Organization:
Title:
Issue/Number:
Date:

Additional Info: Adjust requirements to conform to FTAM

PICS Proforma ID: 15
Protocol/Profile: FTAM Session
GOSIP Version: 2
Reference ATS: 2-16.12

Organization: ISO
Title: Basic connection oriented session Protocol Implementation Conformance Statement (PICS) Proforma
Issue/Number: 8327-2
Date: 22 October 1992

Addl Document: None
Organization:
Title:
Issue/Number:
Date:

Additional Info: Adjust requirements to conform to FTAM

5.4.8 GOSIP Register Database: Abstract Test Suites (ATS)

ATS Code: ATS:1-1

Protocol: 00000000001
High Level Data Link Control, Logical Access Procedure B HDLC LAP-B
GOSIP Version: 1
Expire Date:
Comments:

Doc No: 000001
Title: X.25-DTE Conformance Testing: Text for Data Link Layer Test Suite
Organization: 000067
ISO/IEC JTC1/SC2
Issue Date: 30-JUN-90
Issue: ISO/IEC DP 8882-2
Comments:

ATS Code: ATS:1-10

Protocol: 00000000011
Session

GOSIP Version: 1
Expire Date:
Comments:

Doc No: 000001
Title: Session Abstract Test Suite; Volumes 1, 2 and 3

Organization: 000068
CTS-WAN
USA
Issue Date: 01-SEP-88
Issue: CTS-WAN/T&S/ABS/SES/CS/1.0
Comments:

ATS Code: ATS:1-13

Protocol: 00000000012
Message Handling System - 1984, Reliable Transfer Service Profile
MHS-84{RTS}
GOSIP Version: 1
Expire Date:
Comments: Also issued under NIST cover, August 1990.

Doc No: 000001
Title: MHS RTS Tests and Testing Guide

Organization: 000008
The National Computing Centre Limited
Oxford Road
Manchester M1 7ED United Kingdom
Issue Date: 01-APR-90
Issue: Issue 2
Comments:

ATS Code: ATS:1-14
Protocol: 00000000013
Message Handling System - 1984, P1 Profile
MHS-84{P1}
GOSIP Version: 1
Expire Date:
Comments: Also issued under NIST cover, August 1990.

Doc No: 000001
Title: MHS P1 Tests and Testing Guide
Organization: 000008
The National Computing Centre Limited
Oxford Road
Manchester M1 7ED United Kingdom
Issue Date: 01-APR-90
Issue: Issue 3
Comments:

ATS Code: ATS:1-15

Protocol: 00000000014
Message Handling System - 1984, P2 Profile
MHS-84{P2}
GOSIP Version: 1
Expire Date:
Comments: Also issued under NIST cover, August 1990.

Doc No: 000001
Title: MHS P2 Tests and Testing Guide
Organization: 000008
The National Computing Centre Limited
Oxford Road
Manchester M1 7ED United Kingdom
Issue Date: 01-APR-90
Issue: Issue 3
Comments:

ATS Code: ATS:1-16
Protocol: 00000000015
File Transfer, Access, and Management: T1 and T2 Profiles, Association Control Service Element, and Presentation
FTAM{T1,T2}/ACSE/Presentation
GOSIP Version: 1
Expire Date:
Comments: T1 and T2 profiles from NIST; ACSE and Presentation from NCC.
Doc No: 000001
Title: FTAM Abstract Test Suite for GOSIP Version 1
Organization: 000011
National Institute of Standards and Technology (NIST)
Building 225, Room B151
Gaithersburg MD 20899
Issue Date: 01-AUG-90

Doc No: 000002
Title: FTAM Tests and Testing Guide
Organization: 000008
The National Computing Centre Limited
Oxford Road
Manchester M1 7ED United Kingdom
Issue Date: 03-AUG-90
Issue: NCC/TPD - 89/016

ATS Code: ATS:1-2

Protocol: 00000000002
X.25 Packet Layer Protocol
X.25 PLP
GOSIP Version: 1
Expire Date:
Comments:

Doc No: 000001
Title: DIS 8882-3 London Output.

Organization: 000067
ISO/IEC JTC1/SC2

USA
Issue Date: 20-JUN-90
Issue: ISO/IEC JTC1/SC6/N5608 Revised
Comments:

ATS Code: ATS:1-3

Protocol: 00000000003
Medium Access Control and Physical Layer Signaling [ISO 8802/3]
MAC & PLS [ISO 8802/3]
GOSIP Version: 1
Expire Date:
Comments: Incorporates four test suites submitted by Corporation for Open Systems (COS) International, October 1989.

Doc No: 000001
Title: 802.3 Draft Abstract Test Suite for GOSIP Version 1.

Organization: 000011
National Institute of Standards and Technology (NIST)
Building 225, Room B151
Gaithersburg MD 20899
Issue Date: 01-AUG-90
Issue:
Comments:

ATS Code: ATS:1-4

Protocol: 00000000004
Medium Access Control and Physical Layer Signaling [ISO 8802/4]
MAC & PLS [ISO 8802/4]
GOSIP Version: 1
Expire Date:
Comments:
Doc No: 000001
Title: 802.4 MAC Sublayer Conformance Test System Test Case Reference Guide.
Organization: 000004
Corporation for Open Systems
8260 Willow Oaks Corp Drive Suite 700
Fairfax VA 22031 USA
Issue Date: 01-MAR-88
Issue: COS/TPD-88/008, Issue 1
Comments:

ATS Code: ATS:1-5

Protocol: 00000000005
Medium Access Control and Physical Layer Signaling [ISO 8802/5]
MAC & PLS [ISO 8802/5]
GOSIP Version: 1
Expire Date:
Comments: No registered ATS

ATS Code: ATS:1-6

Protocol: 00000000006
Logical Link Control Type 1
LLC-1
GOSIP Version: 1
Expire Date:
Comments:

Doc No: 000001
Title: 802.2 LLC (Type 1) Abstract Test Suite Submission (extract from 802.3 10BASE5 Layer 2 Test System Results Analysis Guide - LLC Sublayer).
Organization: 000004
Corporation for Open Systems
8260 Willow Oaks Corp Drive Suite 700
Fairfax VA 22031
Issue Date: 01-AUG-90
Issue: Issue 1
Comments:

ATS Code: ATS:1-7

Protocol: 00000000007
Connectionless Network Protocol, End System
CNLP{ES}
GOSIP Version: 1
Expire Date:
Comments:

Doc No: 000001
Title: Internet Protocol Tests and Testing Guide for ISO 8473 Connectionless Network Protocol Implementations.

Organization: 000008
The National Computing Centre Limited
Oxford Road
Manchester M1 7ED United Kingdom
Issue Date: 01-JUL-90
Issue: NCC/TPD-90/003, Issue 2
Comments:

ATS Code: ATS:1-7.1

Protocol: 00000000008
Connectionless Network Protocol, Intermediate System CLNP{IS}
GOSIP Version: 1
Expire Date:
Comments:

Doc No: 000001
Title: Interim Abstract Test Suite for CLNP Intermediate Systems Testing.

Organization: 000011
National Institute of Standards and Technology (NIST)
Building 225, Room B151
Gaithersburg MD 20899
Issue Date: 30-OCT-90
Issue:
Comments:

ATS Code: ATS:1-8

Protocol: 00000000009
Transport Protocol Class 0
TP0
GOSIP Version: 1
Expire Date:
Comments:

Doc No: 000001
Title: ISO/IEC Transport Class 0 CTS-WAN Abstract Test Suite.

Organization: 000008
The National Computing Centre Limited
Oxford Road
Manchester M1 7ED United Kingdom
Issue Date: 13-OCT-88
Issue: CTS-WAN/T&S/ABS/TR0/CS/1.0, Rev 2.1
Comments:

ATS Code: ATS:1-9
Protocol: 00000000010
Transport Protocol Class 4
TP4
GOSIP Version: 1
Expire Date:

Doc No: 000001
Title: Transport Class 4 Tests and Testing Guide for ISO 8073 Transport Class 4 Implementations.
Organization: 000008
The National Computing Centre Limited
Oxford Road
Manchester M1 7ED United Kingdom
Issue Date: 01-JUL-90
Issue: NCC/TPD - 90/002, Issue 2
Comments:

ATS Code: ATS:2-1

Protocol: 00000000001
High Level Data Link Control, Logical Access Procedure B HDLC LAP-B
GOSIP Version: 2

Doc No: 000001
Title: Information Technology-Telecommunications and Information Exchange Between Systems- X.25 DTE Conformance Testing-Part 2: Data Link Layer Conformance Test Suite
Organization: 000069
ISO/IEC JTC1/SC6
Issue Date: 20-JAN-92
Issue: ISO/IEC 8882-2:1992(E), First Edition

Doc No: 000002
Title: Defect Report to ISO/IEC 8882-2: 1992
Organization: 000069
ISO/IEC JTC1/SC6
Issue Date: 30-MAR-92
Issue: X3S3.4/92-54

ATS Code: ATS:2-10.1
Protocol: 00000000011
Session
GOSIP Version: 2
Expire Date:
Comments: Should be sponsored by ATS:2-10.2.

Doc No: 000001
Title: Session Abstract Test Suite, Volumes 1, 2, and 3
Organization: 000068
CTS-WAN USA
Issue Date: 01-SEP-88
Issue: CTS/WAN/T&S/ABS/SES/CS/1.0

Doc No: 000002
Title: Session CTS-WAN Abstract Test Suite, CTS2 Extension
Organization: 000010
Alcatel TITN Incorporated
7011 Koll Center Parkway, Suite 200
Pleasanton CA 94566-3101
Issue Date: 19-MAR-91
Issue: Version 2.0

ATS Code: ATS:2-10.2
Protocol: 00000000011
Session
Session
GOSIP Version: 2
Expire Date:
Comments:

Doc No: 000001
Title: Session Abstract Test Suite
Organization: 000064
Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels Belgium
Issue Date: 01-JAN-92
Issue: OSTC/T&S/ABS/SES/CS/2.1
Comments:

ATS Code: ATS:2-13.1

Protocol: 00000000018
Message Handling System - 1984, Session Protocol
MHS-84 Session
GOSIP Version: 2
Expire Date:
Comments:

Doc No: 000001
Abstract Session Test Suite DSE MHS

Organization: 000064
Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels Belgium
Issue Date: 18-JAN-89
Issue: OSTC/MHS/ABS/SESE/3.0, Version 3.0
Comments:

ATS Code: ATS:2-13.2

Protocol: 00000000012
Message Handling System - 1984, Reliable Transfer
Service Profile
MHS-84{RTS}
GOSIP Version: 2
Expire Date:
Comments:

Doc No: 000001
Title: MHS RTS Abstract Test Suite

Organization: 000064
Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels Belgium
Issue Date: 01-JUL-91
Issue: OSTC/MHS/ABS/RTS/2.0
Comments:

ATS Code: ATS:2-13.3

Protocol: 00000000013
Message Handling System - 1984, P1 Profile
MHS-84{P1}
GOSIP Version: 2
Expire Date:
Comments:

Doc No: 000001
Title: MHS Abstract Test Suite, P1 Protocol A/311 and A/3211

Organization: 000064
Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels Belgium
Issue Date: 28-SEP-90
Issue: OSTC/MHS/ABS/P1/2.0
Comments:

ATS Code: ATS:2-13.4

Protocol: 00000000014
Message Handling System - 1984, P2 Profile
MHS-84{P2}
GOSIP Version: 2
Expire Date:
Comments:

Doc No: 000001
Title: MHS Abstract Test Suite, P2

Organization: 000064
Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels Belgium
Issue Date: 01-SEP-92
Issue: OSTC/MHS/ABS/P2/2.0
Comments:

ATS Code: ATS:2-16.1

Protocol: 00000000019
File Transfer, Access, and Management; Simple File
Transfer
Profile
FTAM{T1}
GOSIP Version: 2
Expire Date:
Comments:

Doc No: 000001
Title: T1-A/111, Volume 1 (Responder Tests) and Volume 2
(Initiator Tests)
Organization: 000064
Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels Belgium
Issue Date: 01-JAN-88
Issue: CTS-WAN/FTAM/ABS/FTAM-A111/1.0
Comments:

ATS Code: ATS:2-16.10

Protocol: 00000000023
File Transfer, Access, and Management; Presentation
Protocol
FTAM Presentation
GOSIP Version: 2
Expire Date:
Comments:

Doc No: 000001
Title: FTAM Presentation Abstract Test Suite

Organization: 000064
Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels Belgium
Issue Date: 01-JAN-92
Issue: OSTC/FTAM/ABS/FTAM/PRES
Comments:

ATS Code: ATS:2-16.11

Protocol: 00000000024
File Transfer, Access, and Management; Presentation B
FTAM Presentation ASN.1
GOSIP Version: 2
Expire Date:
Comments:

Doc No: 000001
Title: FTAM Presentation ASN.1 Abstract Test Suite

Organization: 000064
Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels Belgium
Issue Date: 01-JAN-92
Issue: OSTC/FTAM/ABS/FTAM/PRES/ASN.1/BER
Comments:

ATS Code: ATS:2-16.12

Protocol: 00000000025
File Transfer, Access, and Management; Session Protocol
FTAM Session
GOSIP Version: 2
Expire Date:
Comments:

Doc No: 000001
Title: FTAM Session Abstract Test Suite

Organization: 000064
Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels Belgium
Issue Date: 17-SEP-91
Issue: OSTC/FTAM/ABS/FTAM/SES
Comments:

ATS Code: ATS:2-16.13

Protocol: 00000000026
File Transfer, Access, and Management; Session
Restart and Recovery
FTAM Session R&R
GOSIP Version: 2
Expire Date:
Comments:

Doc No: 000001
Title: FTAM Session Restart and Recovery Abstract Test
Suite

Organization: 000064
Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels Belgium
Issue Date: 01-JAN-92
Issue: OSTC/FTAM/ABS/FTAM/SES/R&R
Comments:

ATS Code: ATS:2-16.2

Protocol: 00000000019
File Transfer, Access, and Management; Simple File
Transfer Profile
FTAM{T1}
GOSIP Version: 2
Expire Date:
Comments:

Doc No: 000001
Title: FTAM A/111 (T1) Responder ATS and FTAM A/111
(T1) Initator
ATS
Organization: 000064
Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels Belgium
Issue Date: 01-APR-91
Issue: CTS-WAN/FTAM/ABS/FTAM-A111/2.0, Version 2.0,
Volumes 1 and 2

ATS Code: ATS:2-16.3

Protocol: 00000000034
File Transfer, Access, and Management; Simple File
Transfer
Restart and Recovery Profile
FTAM{T1 R&R}
GOSIP Version: 2
Expire Date:
Comments:

Doc No: 000001
Title: FTAM A/111 Restart and Recovery, Abstract Test Suite

Organization: 000064
Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels Belgium
Issue Date:
Issue: OSTC/FTAM/ABS/FTAM-A111 R&R/1.0
Comments:

ATS Code: ATS:2-16.4

Protocol: 00000000034
File Transfer, Access, and Management;
Simple File Transfer
Restart and Recovery Profile
FTAM{T1 R&R}
GOSIP Version: 2
Expire Date:
Comments:

Doc No: 000001
Title: FTAM A/111 Restart and Recovery, Abstract Test Suite.

Organization: 000064
Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels Belgium
Issue Date: 29-OCT-91
Issue: OSTC/FTAM/ABS/FTAM-A111 R&R\2.0
Comments:

ATS Code: ATS:2-16.5

Protocol: 00000000020
File Transfer, Access, and Management; Management Profile
FTAM{M1}
GOSIP Version: 2
Expire Date:
Comments:

Doc No: 000001
Title: FTAM A/13 ATS

Organization: 000064
Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels Belgium
Issue Date: 01-JAN-90
Issue: FTAM/ABS/FTAM-A13/1.0
Comments:

ATS Code: ATS:2-16.6

Protocol: 00000000020
File Transfer, Access, and Management; Management Profile
FTAM{M1}
GOSIP Version: 2
Expire Date:
Comments:

Doc No: 000001
Title: FTAM A/13 ATS, Version 2.0

Organization: 000064
Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels Belgium
Issue Date: 01-AUG-91
Issue: FTAM/ABS/FTAM/A13/2.0
Comments:

ATS Code: ATS:2-16.7

Protocol: 00000000021
File Transfer, Access, and Management; Positional File Transfer Profile
FTAM{T2}
GOSIP Version: 2
Expire Date:
Comments:

Doc No: 000001
Title: FTAM A/112 ATS, Volume 1 (A/112 Responder) and Volume 2 (A/112 Initiator)

Organization: 000064
Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels Belgium
Issue Date: 01-JAN-92
Issue: OSTC/FTAM/ABS/FTAM-A/112
Comments:

ATS Code: ATS:2-16.8

Protocol: 00000000035
File Transfer, Access, and Management; Simple File Access Profile
FTAM{A1}
GOSIP Version: 2
Expire Date:
Comments:

Doc No: 000001
Title: FTAM A/122 Responder ATS (Volume 1) and FTAM A/122 Initator Abstract Test Suite (Volume 2)

Organization: 000064
Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels Belgium
Issue Date: 01-JAN-92
Issue: OSTC/FTAM/ABS/ FTAM-A/122
Comments:

ATS Code: ATS:2-16.9

Protocol: 00000000022
File Transfer, Access, and Management; Association Control Service Element
FTAM ACSE
GOSIP Version: 2
Expire Date:
Comments: Also published as Annex D of CTS2-ACSE ATS, Version 2.02, 5 Sept 1992

Doc No: 000001
Title: FTAM ACSE Abstract Test Suite

Organization: 000064
Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels Belgium
Issue Date: 01-JAN-92
Issue: OSTC/FTAM/ABS/FTAM/ASCE
Comments:

ATS Code: ATS:2-17

Protocol: 00000000027
Virtual Terminal
VT
GOSIP Version: 2
Expire Date:
Comments: No registered ATS.

ATS Code: ATS:2-18

Protocol: 00000000028
End System to Intermediate System in End System ES-IS{ES}
GOSIP Version: 2
Expire Date:
Comments: No registered ATS. A candidate ATS has been identified and is currently being evaluated.

ATS Code: ATS:2-19

Protocol: 00000000029
Connection Oriented Network Service CONS
GOSIP Version: 2
Expire Date:
Comments: No registered ATS.

ATS Code: ATS:2-2
Protocol: 00000000002
X.25 Packet Layer Protocol X.25 PLP
GOSIP Version: 2
Expire Date:

Doc No: 000001
Title: Information Technology-Telecommunications and Information Exchange Between Systems-X.25-DTE Conformance Testing-Part 3: Packet Layer Conformance Test Suite
Organization: 000070
ISO/IEC JTC1/SC2/WG2 USA
Issue Date: 16-JAN-91
Issue: ISO/IEC 8882-3:1991(E), First Edition

Doc No: 000002
Title: Defect Report to ISO/IEC 8882-3:1991

Organization: 000070
ISO/IEC JTC1/SC2/WG2 USA
Issue Date: 01-MAR-92
Issue: X3S3.7/92-49
Comments:

ATS Code: ATS:2-20

Protocol: 00000000030
Transport Protocol Class 2 TP2
GOSIP Version: 2
Expire Date:
Comments: This ATS is under revision by EWOS.

Doc No: 000001
Title: OSTC Abstract Test Suite, Transport Class 2
Organization: 000064
Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels Belgium
Issue Date: 31-JAN-91
Issue: OSTC/T&S/ABS/TR2/CS/2.0

ATS Code: ATS:2-21

Protocol: 00000000031
Integrated Services Digital Network ISDN
GOSIP Version: 2
Expire Date:
Comments: No registered ATS.

ATS Code: ATS:2-5

Protocol: 00000000005
Medium Access Control and Physical Layer Signaling [ISO 8802/5]
MAC & PLS [ISO 8802/5]
GOSIP Version: 2
Expire Date:
Comments: No Registered ATS

ATS Code: ATS:2-3

Protocol: 00000000003
Medium Access Control and Physical Layer Signaling [ISO 8802/3]
MAC & PLS [ISO 8802/3]
GOSIP Version: 2
Expire Date:
Comments: Incorporates four test suites submitted by Corporation for Open Systems (COS) International in October 1989
Doc No: 000001
Title: 802.3 Draft Abstract Test Suite for GOSIP Version 1

Organization: 000011
National Institute of Standards and Technology (NIST)
Building 225, Room B151
Gaithersburg MD 20899
Issue Date: 01-AUG-90
Issue:
Comments:

ATS Code: ATS:2-4
Protocol: 00000000004
Medium Access Control and Physical Layer Signaling [ISO 8802/4]
MAC & PLS [ISO 8802/4]
GOSIP Version: 2
Expire Date:

Doc No: 000001
Title: 802.4 MAC Sublayer Conformance Test System Test Case Reference Guide
Organization: 000004
Corporation for Open Systems
8260 Willow Oaks Corp Drive Suite 700
Fairfax VA 22031
Issue Date: 01-MAR-88
Issue: COS/TPD-88/008, Issue 1

ATS Code: ATS:2-6

Protocol: 00000000006
Logical Link Control Type 1
LLC-1
GOSIP Version: 2
Expire Date:
Comments:

Doc No: 000001
Title: 802.2 LLC (Type 1) Abstract Test Suite Submission (extract from 802.3 10BASE5 Layer 2 Test System Results Analysis Guide - LLC Sublayer)
Organization: 000004
Corporation for Open Systems
8260 Willow Oaks Corp Drive Suite 700
Fairfax VA 22031
Issue Date: 01-AUG-90
Issue: Issue 1
Comments:

ATS Code: ATS:2-7

Protocol: 00000000007
Connectionless Network Protocol, End System
CNLP{ES}
GOSIP Version: 2
Expire Date:
Comments:

Doc No: 000001
Title: Internet Protocol Tests and Testing Guide for ISO 8473 Connectionless Network Protocol Implementations

Organization: 000008
The National Computing Centre Limited
Oxford Road
Manchester M1 7ED United Kingdom
Issue Date: 01-JUL-90
Issue: NCC/TPD-90/003, Issue 2
Comments:

ATS Code: ATS:2-7.1

Protocol: 00000000008
Connectionless Network Protocol, Intermediate System
CLNP{IS}
GOSIP Version: 2
Expire Date:
Comments:

Doc No: 000001
Title: Interim Abstract Test Suite for CLNP Intermediate Systems Testing

Organization: 000011
National Institute of Standards and Technology (NIST)
Building 225, Room B151
Gaithersburg MD 20899
Issue Date: 30-OCT-90
Issue:
Comments:

ATS Code: ATS:2-8

Protocol: 00000000009
Transport Protocol Class 0
TP0
GOSIP Version: 2
Expire Date:
Comments: This ATS is under revision by EWOS.

Doc No: 000001
Title: OSTC Abstract Test Suite, Transport Class 0

Organization: 000064
Open Systems Testing Consortium Secretariat
Rue du Trone, 12
B-1050 Brussels Belgium
Issue Date: 31-JAN-91
Issue: OSTC/T&S/ABS/TRO/CS/2.0
Comments:

ATS Code: ATS:2-9.1

Protocol: 00000000016
Transport Protocol Class 4 Over Connectionless Network
Service
TP4-CLNS
GOSIP Version: 2
Expire Date:
Comments: New ATS under development by EWOS.

Doc No: 000001
Title: Transport Class 4 over CLNS Abstract Test Suite

Organization: 000079
Alcatel TITN Incorporated
12030 Sunrise Valley Drive
Reston VA 22091
Issue Date: 07-MAY-92
Issue: Version 2.2
Comments:

ATS Code: ATS:2-9.2

Protocol: 00000000010
Transport Protocol Class 4
TP4
GOSIP Version: 2
Expire Date:
Comments: New ATS under development by EWOS.

Doc No: 000001
Title: Transport Class 4 Tests and Testing Guide for ISO 8073 Transport Class 4 Implementations

Organization: 000008
The National Computing Centre Limited
Oxford Road
Manchester M1 7ED United Kingdom
Issue Date: 01-MAY-92
Issue: ISG-DEV-008-10-004, Issue 5
Comments:

ATS Code: ATS:2-9.3

Protocol: 00000000017
Transport Protocol Class 4 Over Connection Oriented Network Service
TP4-CONS
GOSIP Version: 2
Expire Date:
Comments: New ATS under development by EWOS

Doc No: 000001
Title: Transport Class 4 over CONS Abstract Test Suite

Organization: 000079
Alcatel TITN Incorporated
12030 Sunrise Valley Drive
Reston VA 22091
Issue Date: 30-SEP-91
Issue: Version 2.0
Comments:

ATS Code: ATS:3-22

Protocol: 00000000032
Message Handling System - 1988
MHS-88
GOSIP Version: 3
Expire Date:
Comments: No registered ATS. The National Institute of Standards and Technology (NIST) plans to establish a conformance testing infrastructure for MHS-88 by mid-1993

ATS Code: ATS:3-23

Protocol: 00000000033
Directory Services
X.500
GOSIP Version: 3
Expire Date:
Comments: No Registered ATS. NIST plans to establish a conformance testing infrastructure for Directory Services by the end of 1993

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6. NIST POSIX CONFORMANCE TESTING

6.1 FIPS POSIX Standard

The National Institute of Standards and Technology through its Computer Systems Laboratory (NIST/CSL) has established a conformance testing program for the Federal Information Standard for POSIX (FIPS 151-1 and FIPS 151-2). FIPS 151-2 will replace FIPS 151-1 in its entirely on October 15, 1992. These standards are based on the IEEE POSIX Std. 1003.1-1988 (FIPS 151-1) and ISO/IEC 9945-1:1990 (FIPS 151-2). The testing model includes a Certification Authority, NVLAP Accredited Testing Laboratories, Clients and the official NIST POSIX Conformance Test Suites. The Certification Authority is the Director of NIST/CSL. The National Voluntary Laboratory Accreditation Program (NVLAP), part of NIST, accredits the testing laboratories. The test suites are NIST-PCTS:151-1 and NIST-PCTS:151-2 were developed by NIST/CSL and are based on the test assertions specified by the IEEE Standard for Information Technology — Test Methods for Measuring Conformance to POSIX, IEEE Std. 1003.3-1991 (NIST-PCTS:151-1) and the IEEE Standard for Information Technology — Test Methods for Measuring conformance to POSIX.1, IEEE Std 2003.1-1992 (NIST-PCTS:151-2).

6.2 POSIX Test Procedures

There are Accredited POSIX Testing Laboratories (APTLs) accredited by NVLAP for using one or both test suites. NVLAP accreditation is renewable after one year, and identifies the specific testing procedures which the lab is authorized to run. The labs provide testing and analysis services to their clients and may forward the final test results to NIST/CSL for evaluation and subsequent issuance of a Certificate of Validation by NIST/CSL.

Testing policy documents and registers of validated products and accredited laboratories and available on an electronic mail (email) file server system. For most email systems, send an email message to posix@nist.gov (mail posix@nist.gov). The first line of the message should contain a command to send index (send index). After issuing the send command and a carriage return, end the email message. A listing of all of the available files will be returned via email to the requesting email address.

6.3 POSIX Test Suite

The NIST-PCTS:151-2 is available from NIST/CSL, POSIX Certification Authority, Building 225 Room B266, National Institute of Standards and Technology, Gaithersburg, MD 20899. The NIST-PCTS:151-1 is available from the National Technical Information Services (NTIS), 5825 Port Royal Road, Springfield, VA 22161, (703) 487-4650. For ordering information call (301) 975-3290.

6.4 Validation Requirements

An accredited lab may submit a "clean" test report to NIST/CSL for evaluation in anticipation of a Certification of Validation being issued. "Clean" implies no test assertion failures. The Certificate of Validation will confirm that the stated product has been testing using the official NIST-PCTS and that the test results have been validated by NIST/CSL. The Certificate of Validation and the Test Results Summary contain information on the product tested, the implementation that was tested, the suppliers, conditional features that were tested, configuration details and the identification of the testing laboratory. These certificates are issued by NIST/CSL through the testing lab. Fees for services by the testing labs are established by the labs.

6.5 TESTING LABORATORIES for NIST POSIX (FIPS 151-1)

The National Voluntary Laboratory Accreditation Program (NVLAP) has accredited the following laboratories to test computer operating system interfaces for conformance with the Federal Information Processing Standard 151-1 (FIPS 151-1) using the NIST POSIX Conformance Test Suite (NIST-PCTS:151-1). Only accredited laboratories may submit test reports to NIST/CSL for validation.

BULL S.A. / Laboratoire POSIX
1 rue de Provence / BP208
38432 ECHIROLLES CEDEX (France)

Contact: Mr. Georges Chardon
Phone: (33) 76 39 75 93

DataFocus Incorporated
12450 Fair Lakes Circle, Suite 400
Fairfax, VA 22033-3831

Contact: Mr. Glen McPherson
Phone: 703-631-6770

Mindcraft, Inc.
410 Cambridge Avenue
Palo Alto, CA 94306

Contact: Mr. Bruce Weiner
Phone: 415-323-9000

PERENNIAL
4699 Old Ironsides Drive, Suite 210
Santa Clara, CA 95054

Contact: Mr. Barry E. Hedquist
Phone: 408-748-2900

UniSoft Corporation
6121 Hollis Street
Emeryville, CA 94608-2092

Contact: Ms. Barb Moran
Phone: 510-420-6400

6.6 VALIDATED PRODUCTS for NIST POSIX (FIPS 151-1)

The following products have been tested by an Accredited POSIX Testing Laboratory (APTL) using the official National Institute of Standards and Technology POSIX Conformance Test Suite (NIST-PCTS:151-1) for the Federal Information Processing Standards Publication 151-1 (FIPS PUB 151-1). A Certificate of Validation has been issued by NIST/CSL.

Additional information is available from NIST/CSL on conditional features supported, configuration details, and resolved test codes (if appropriate).

PRODUCT SUPPLIERS	REFERENCE FILE #
Amdahl Corporation	AMD5598
Apple Computer Inc.	APP2482, APP3355, APP7204, APP7224, APP7235, APP8616, APP9125, APP9165
AT&T	ATT1566
BULL S.A.	BUL2387, BUL6051
Control Data Corporation	CDC1101, CDC5574, CDC5750
CONVEX Computer Corporation	CON0202, CON2551, CON6027
Data General Corporation	DGC2542, DGC4767, DGC8016, DGC8703, DGC9391, DGC9574
Digital Equipment Corporation	DEC0319, DEC0638, DEC4670, DEC5794, DEC7386, DEC7917, DEC8003, DEC9418, DEC9672
Encore Computer Corporation	ENC6897
ESIX/Everex Systems, Inc.	EVR0901, EVR9749
Harris Corporation	HAR5240
Hewlett-Packard Company	HPC0115, HPC0303, HPC0535, HPC0603, HPC1581, HPC1992, HPC2540, HPC2698, HPC2952, HPC3574, HPC3760, HPC3897, HPC4246, HPC6304, HPC6391, HPC6637, HPC6906, HPC7051, HPC7716, HPC8098, HPC9185
Interactive Systems Corp.	INT5154
Intergraph Corporation	INT4675
International Business Machines Inc.	IBM0320, IBM0458, IBM1344, IBM2592, IBM3697
Modular Computer Systems, Inc.	MOD4817
Motorola Computer Group	MOT1086, MOT5618
NCR Corporation	NCR0554, NCR2047, NCR2805, NCR3331, NCR4518, NCR7380
Pyramid Technology Corporation	PYR1271, PYR3067, PYR3233, PYR4970, PYR9863
Santa Cruz Operation Inc.	SCO3664, SCO3832, SCO4102, SCO5199, SCO6748, SCO8054, SCO9875
Sequent Computer Systems Inc.	SEC8754
Silicon Graphics, Inc.	SGI5507, SGI9297
Sun Microsystems Computer Corp.	SUN1065, SUN1442, SUN2031, SUN2727, SUN2930, SUN3272, SUN3402, SUN5684, SUN5782, SUN5970, SUN6602, SUN7188, SUN7793
SunSoft, Inc.	SUN0617, SUN2241, SUN3129, SUN3403, SUN5382, SUN6635, SUN6859, SUN9763
Unisys Corporation	UNI0505, UNI1798, UNI3690, UNI5711, UNI9063, UNI9080
Univel	UNV0528, UNV2014, UNV3978
UNIX System Laboratories	USL2115, USL3610, USL6259

SYSTEM SUPPLIERS	REFERENCE FILE #
AGI Computer, Inc.	EVR0901
Alpha Systems Lab	SUN3403
Amdahl Corporation	AMD5598
Apple Computer Inc.	APP2482, APP3355, APP7204, APP7224, APP7235, APP8616, APP9125, APP9165
AST Research, Inc.	SCO4102, USL2115, USL6259
AT&T	ATT1566, USL3610
BULL S.A.	BUL2387, BUL6051
Compaq Computer Corp.	INT5154, SUN6859
Control Data Corporation	CDC1101, CDC5574, CDC5750
CONVEX Computer Corp.	CON0202, CON2551, CON6027
Data General Corporation	DGC2542, DGC4767, DGC8016, DGC8703, DGC9391, DGC9574, SCO6748
Dell Computer Corporation	SUN1065
Diamond Flower Inc.	SCO3664, SCO8054
Digital Equipment Corp.	DEC0319, DEC0638, DEC4670, DEC5794, DEC7386, DEC7917, DEC8003, DEC9418, DEC9672
Encore Computer Corp.	ENC6897
ESIX/Everex Systems, Inc.	EVR9749
Harris Corporation	HAR5240
Hewlett-Packard Company	HPC0115, HPC0303, HPC0535, HPC1581, HPC1992, HPC2540, HPC2698, HPC2952, HPC3574, HPC3760, HPC3897, HPC4246, HPC0603, HPC6304, HPC6391, HPC6637, HPC6906, HPC7051, HPC7716, HPC8098, HPC9185
Intergraph Corporation	INT4675
International Business Machines Inc.	IBM0320, IBM0458, IBM1344, IBM2592, IBM3697
Modular Computer Systems, Inc.	MOD4817
Motorola Computer Group	MOT1086, MOT5618
NCR Corporation	NCR0554, NCR2047, NCR2805, NCR3331, NCR4518, NCR7380
Pyramid Technology Corp.	PYR1271, PYR3067, PYR3233, PYR4970, PYR9863
RDI	SUN3402
Sequent Computer Systems Inc.	SEC8754
Silicon Graphics, Inc.	SGI5507, SGI9297
Sun Microsystems Computer Corp.	SUN0617, SUN1442, SUN2031, SUN2241, SUN2727, SUN2930, SUN3129, SUN3272, SUN5382, SUN5684, SUN5782, SUN5970, SUN6602, SUN6635, SUN7188, SUN7793, SUN9763
Unisys Corporation	SCO9875, UNI0505, UNI1798, UNI3690, UNI5711, UNI9063, UNI9080, UNV0528, UNV2014, UNV3978
Zenith Data Systems	SCO3832, SCO5199

Reference File #: AMD5598
Product Supplier: Amdahl Corporation
Product Tested: UTS System Version: 4 Release: 1
System Supplier: Amdahl Corporation
System Hardware: 5995M Model: 4550
C Compiler: Amdahl C Version: 1.5 Release: June, 1993
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 07/23/93

Reference File #: APP2482
Product Supplier: Apple Computer Inc.
Product Tested: A/UX Version: 2.0.1 Release: 01/30/1991
System Supplier: Apple Computer Inc.
System Hardware: Macintosh Model: IIfx
C Compiler: A/UX native C compiler (cc) Version: 1.21 Release: 01/13/1991
PCTS: 151-1 Version: 1.1 - 04/26/91
APTL: 0342 Mindcraft, Inc. Date Issued: 05/24/91

Reference File #: APP3355
Product Supplier: Apple Computer Inc.
Product Tested: A/UX Version: 3.0 Release: March 9, 1992
System Supplier: Apple Computer Inc.
System Hardware: Macintosh Model: Quadra 700
C Compiler: A/UX native C compiler (cc) Version: 1.23 Release: February 9, 1992
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0342 Mindcraft, Inc. Date Issued: 04/16/92

Reference File #: APP7204
Product Supplier: Apple Computer Inc.
Product Tested: A/UX Version: 3.0.1 Release: April 23, 1993
System Supplier: Apple Computer Inc.
System Hardware: Workgroup Server Model: 80
C Compiler: A/UX Developer's Tools (c89) Version: 1.1 Release: April 1, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 06/24/93

Reference File #: APP7224
Product Supplier: Apple Computer Inc.
Product Tested: A/UX Version: 3.0 Release: March 9, 1992
System Supplier: Apple Computer Inc.
System Hardware: Macintosh Model: Quadra 950
C Compiler: A/UX native C compiler (cc) Version: 1.23 Release: February 9, 1992
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0342 Mindcraft, Inc. Date Issued: 05/14/92

Reference File #: APP7235
Product Supplier: Apple Computer Inc.
Product Tested: A/UX Version: 2.0.1 Release: 01/30/1991
System Supplier: Apple Computer Inc.
System Hardware: Macintosh Model: IIci
C Compiler: A/UX native C compiler (cc) Version: 1.21 Release: 01/13/1991
PCTS: 151-1 Version: 1.1 - 04/26/91
APTL: 0342 Mindcraft, Inc. Date Issued: 05/24/91

Reference File #: APP8616
Product Supplier: Apple Computer Inc.
Product Tested: A/UX Version: 2.0.1 Release: 01/30/1991
System Supplier: Apple Computer Inc.
System Hardware: Macintosh Model: IIsi
C Compiler: A/UX native C compiler (cc) Version: 1.21 Release: 01/13/1991
PCTS: 151-1 Version: 1.1 - 04/26/91
APTL: 0342 Mindcraft, Inc. Date Issued: 05/24/91

Reference File #: APP9125
Product Supplier: Apple Computer Inc.
Product Tested: A/UX Version: 3.0 Release: March 9, 1992
System Supplier: Apple Computer Inc.
System Hardware: Macintosh Model: Quadra 700
C Compiler: A/UX Developer's Tools (c89) Version: 1.1 Release: April 1, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 08/11/92

Reference File #: APP9165
Product Supplier: Apple Computer Inc.
Product Tested: A/UX Version: 3.0 Release: March 9, 1992
System Supplier: Apple Computer Inc.
System Hardware: Macintosh Model: Quadra 950
C Compiler: A/UX Developer's Tools (c89) Version: 1.1 Release: April 1, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 08/11/92

Reference File #: ATT1566
Product Supplier: AT&T
Product Tested: AT&T UNIX System V Version: Release 4 Release: 4.0.3
System Supplier: AT&T
System Hardware: AT&T 3B2 R3 Series Model: 3B2/600 GR
C Compiler: AT&T 3B2/RISC C Development System Version: 1.0
PCTS: 151-1 Version: 1.1 - 09/11/91
APTL: 0343 DataFocus Incorporated Date Issued: 11/06/91

Reference File #: BUL2387
Product Supplier: BULL S.A.
Product Tested: BOS Version: 2 Release: 1
System Supplier: BULL S.A.
System Hardware: DPX/2 Model: 200
C Compiler: C Compiler Version: 72 Release: 1
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0373 BULL S.A./Laboratoire POSIX Date Issued: 2/24/93

Reference File #: BUL6051
Product Supplier: BULL S.A.
Product Tested: BOS/X Version: 3 Release: 2
System Supplier: BULL S.A.
System Hardware: DPX/20 Model: 620
C Compiler: BOS/X XLC C Compiler Version: 1 Release: 02
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0373 BULL S.A./Laboratoire POSIX Date Issued: 1/22/93

Reference File #: CDC1101
Product Supplier: Control Data Corporation
Product Tested: EP/IX Version: 1.4.2 Release: November 27, 1991
System Supplier: Control Data Corporation
System Hardware: Control Data 4000 Model: 4680MP
C Compiler: EP/IX C Language RISCompiler Version: C 2.11 Release: July 1990
PCTS: 151-1 Version: 1.1 - 09/11/91
APTL: 0356 Applications Software Incorporated Date Issued: 01/29/92

Reference File #: CDC5574
Product Supplier: Control Data Corporation
Product Tested: EP/IX Version: 1.3.1 Release: 03/21/1991
System Supplier: Control Data Corporation
System Hardware: Control Data 4000 Model: 4330-250
C Compiler: EP/IX C Language RISCompiler Version: 2.11 Release: July 1990
PCTS: 151-1 Version: 1.1 - 04/26/91
APTL: 0356 Applications Software Incorporated Date Issued: 05/24/91

Reference File #: CDC5750
Product Supplier: Control Data Corporation
Product Tested: EP/IX Version: 1.3.1 Release: 03/21/1991
System Supplier: Control Data Corporation
System Hardware: Control Data 4000 Model: 4680
C Compiler: EP/IX C Language RISCompiler Version: 2.11 Release: 07/16/1990
PCTS: 151-1 Version: 1.1 - 04/26/91
APTL: 0356 Applications Software Incorporated Date Issued: 05/24/91

Reference File #: CON0202
Product Supplier: CONVEX Computer Corporation
Product Tested: ConvexOS Version: 10.1 Release: C200 Series
System Supplier: CONVEX Computer Corporation
System Hardware: C2 Model: C220
C Compiler: CONVEX C Version: 4.3.2
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0343 DataFocus Incorporated Date Issued: 05/11/92

Reference File #: CON2551
Product Supplier: CONVEX Computer Corporation
Product Tested: ConvexOS Version: 10.1 Release: C3800 Series
System Supplier: CONVEX Computer Corporation
System Hardware: C38 Model: C3810
C Compiler: CONVEX C Version: 4.3.2
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0343 DataFocus Incorporated Date Issued: 05/11/92

Reference File #: CON6027
Product Supplier: CONVEX Computer Corporation
Product Tested: ConvexOS Version: 10.1 Release: C3400 Series
System Supplier: CONVEX Computer Corporation
System Hardware: C34 Model: C3440
C Compiler: CONVEX C Version: 4.3.2
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0343 DataFocus Incorporated Date Issued: 05/11/92

Reference File #: DEC0319
Product Supplier: Digital Equipment Corporation
Product Tested: DEC OSF/1 Version: 1.2 Release: March 1993
System Supplier: Digital Equipment Corporation
System Hardware: DEC/3000 Model: 500
C Compiler: DEC OSF/1 for AXP C Compiler Version: 1 Release: March 1993
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 03/10/93

Reference File #: DEC0638
Product Supplier: Digital Equipment Corporation
Product Tested: VMS Version: 5 Release: 5 (with VMS POSIX, version 1.0)
System Supplier: Digital Equipment Corporation
System Hardware: VAXstation Model: 3100 M76
C Compiler: VAX C Version: 3 Release: 2
PCTS: 151-1 Version: 1.1 - 09/11/91
APTL: 0343 DataFocus Incorporated Date Issued: 01/29/92

Reference File #: DEC4670
Product Supplier: Digital Equipment Corporation
Product Tested: The ULTRIX Operating System Version: 4.3A Release: July 1993
System Supplier: Digital Equipment Corporation
System Hardware: DECstation Model: 5000/150
C Compiler: Mips C Compiler Version: 3.0
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 06/24/93

Reference File #: DEC5794
Product Supplier: Digital Equipment Corporation
Product Tested: ULTRIX Version: 4.2 Release: May 31, 1991
System Supplier: Digital Equipment Corporation
System Hardware: VAXstation II Model: GPX
C Compiler: pcc Version: 4.2
PCTS: 151-1 Version: 1.1 - 04/26/91
APTL: 0342 Mindcraft, Inc. Date Issued: 06/17/91

Reference File #: DEC7386
Product Supplier: Digital Equipment Corporation
Product Tested: The ULTRIX Operating System Version: 4.3 Release: August 1992
System Supplier: Digital Equipment Corporation
System Hardware: DECstation Model: 5000/200
C Compiler: Mips C Compiler Version: 2.10
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 09/18/92

Reference File #: DEC7917
Product Supplier: Digital Equipment Corporation
Product Tested: the ULTRIX Operating System Version: 4.2A Release: November 18, 1991
System Supplier: Digital Equipment Corporation
System Hardware: DECstation Model: 3100
C Compiler: MIPS C Compiler Version: 2.10
PCTS: 151-1 Version: 1.1 - 09/11/91
APTL: 0342 Mindcraft, Inc. Date Issued: 12/06/91

Reference File #: DEC8003
Product Supplier: Digital Equipment Corporation
Product Tested: The ULTRIX Operating System Version: 4.3A Release: July 1993
System Supplier: Digital Equipment Corporation
System Hardware: DECstation Model: 5000/260
C Compiler: Mips C Compiler Version: 3.0
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 06/24/93

Reference File #: DEC9418
Product Supplier: Digital Equipment Corporation
Product Tested: ULTRIX Version: 4.2 Release: May 31, 1991
System Supplier: Digital Equipment Corporation
System Hardware: DECstation Model: 3100
C Compiler: MIPS C Compiler Version: 2.10
PCTS: 151-1 Version: 1.1 - 04/26/91
APTL: 0342 Mindcraft, Inc. Date Issued: 06/17/91

Reference File #: DEC9672
Product Supplier: Digital Equipment Corporation
Product Tested: The ULTRIX Operating System Version: 4.2A Release: December 1991
System Supplier: Digital Equipment Corporation
System Hardware: DECstation Model: 5000/200
C Compiler: MIPS C Compiler Version: 2.10
PCTS: 151-1 Version: 1.1 - 09/11/91
APTL: 0342 Mindcraft, Inc. Date Issued: 02/12/92

Reference File #: DGC2542
Product Supplier: Data General Corporation
Product Tested: DG/UX Version: 5.4
System Supplier: Data General Corporation
System Hardware: AViion 5000 Model: AV/5240
C Compiler: GNU C Compiler for AViiON Systems Version: 1.37.23
PCTS: 151-1 Version: 1.1 - 07/01/91
APTL: 0342 Mindcraft, Inc. Date Issued: 09/10/91

Reference File: DGC4767
Product Supplier: Data General Corporation
Product Tested: DG/UX Version: 5.4.2 Release: August 1992
System Supplier: Data General Corporation
System Hardware: AViion AV/530/4600 Model: AV/532
C Compiler: GNU C Compiler for AViiON Systems Version: DG-2.2.3 Release: August 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 09/09/92

Reference File #: DGC8016
Product Supplier: Data General Corporation
Product Tested: DG/UX Version: 5.4
System Supplier: Data General Corporation
System Hardware: AViion 400/4000 Model: AV/4100
C Compiler: GNU C Compiler for AViiON Systems Version: 1.37.23
PCTS: 151-1 Version: 1.1 - 07/01/91
APTL: 0342 Mindcraft, Inc. Date Issued: 09/10/91

Reference File #: DGC8703
Product Supplier: Data General Corporation
Product Tested: DG/UX Version: 5.4
System Supplier: Data General Corporation
System Hardware: AViion 400/4000 Model: AV/412
C Compiler: GNU C Compiler for AViiON Systems Version: 1.37.23
PCTS: 151-1 Version: 1.1 - 07/01/91
APTL: 0342 Mindcraft, Inc. Date Issued: 09/10/91

Reference File #: DGC9391
Product Supplier: Data General Corporation
Product Tested: DG/UX Version: 4.32
System Supplier: Data General Corporation
System Hardware: AViion AV/400/4000 Model: AV/410
C Compiler: GNU C Compiler for AViion Sys Version: 1.37.23
PCTS: 151-1 Version: 1.1 - 04/26/91
APTL: 0342 Mindcraft, Inc. Date Issued: 05/24/91

Reference File #: DGC9574
Product Supplier: Data General Corporation
Product Tested: DG/UX Version: 5.4.2 Release: August 1992
System Supplier: Data General Corporation
System Hardware: AViion AV/8000 Model: AV/6240
C Compiler: GNU C Compiler for AViiON Systems Version: DG-2.2.3 Release: August 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 11/03/92

Reference File #: ENC6897
Product Supplier: Encore Computer Corporation
Product Tested: UMAX V Release: 3.0.6
System Supplier: Encore Computer Corporation
System Hardware: 91 Series Model: 91-02427
C Compiler: Green Hills Software, Inc. C Release: 1.1
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0345 UniSoft Corporation Date Issued: 3/12/92

Reference File #: EVR0901
Product Supplier: ESIX/Everex Systems, Inc.
Product Tested: ESIX System V Release 4 Version: 4 Release: 4.0
System Supplier: AGI Computer, Inc.
System Hardware: AGI Model: 486/33
C Compiler: ESIX ANSI C Compiler Version: 5.0
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0343 DataFocus Incorporated Date Issued: 05/28/92

Reference File #: EVR9749
Product Supplier: ESIX/Everex Systems, Inc.
Product Tested: ESIX System V Release 4 Version: 4 Release: 4.0
System Supplier: ESIX/Everex Systems, Inc.
System Hardware: Everex Model: 3000S 386/33
C Compiler: ESIX ANSI C Compiler Version: 5.0
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0343 DataFocus Incorporated Date Issued: 05/28/92

Reference File #: HAR5240
Product Supplier: Harris Corporation
Product Tested: CX/UX Release: 5.3
System Supplier: Harris Corporation, Computer Systems Division
System Hardware: Night Hawk Model: HN4802
C Compiler: Harris C Compiler Release: 5.3
PCTS: 151-1 Version: 1.1 - 09/11/91
APTL: 0342 Mindcraft, Inc. Date Issued: 12/16/91

Reference File #: HPC0115
Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 8.02 Release: 10/06/91
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 800 Model: 867S
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: HPC0303
Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 8.02 Release: 10/06/91
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 800 Model: 867s
C Compiler: HP C Compiler Version: A 08.17 Release: 10/06/91
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0346 Hewlett-Packard POSIX Conformance Test Center Date Issued: 09/09/92

Reference File #: HPC0535
Product Supplier: Hewlett-Packard Company
Product Tested: Domain/OS Version: 10.4 Release: April 1992
System Supplier: Hewlett-Packard Company
System Hardware: Domain Series 4000 Model: DN4500
C Compiler: Domain/C Version: 6.9.M/MPX Release: May 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0346 Hewlett-Packard POSIX Conformance Test Center Date Issued: 09/2/92

Reference File #: HPC0603
Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 9.01 Release: January 4, 1993
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 700 Model: 735
C Compiler: HP C Compiler Version: HP92453-01 A.09.19 Release: December, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 2/19/93

Reference File #: HPC1581
Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 8.02 Release: 10/06/91
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 800 Model: 827S
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: HPC1992
Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 8.08 Release: 11/23/92
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 800 Model: 827S
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: HPC2540
Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 8.07 Release: December 1991
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 700 Model: 720
C Compiler: HP C Compiler Version A 08.71 Release: December 1991
PCTS: 151-1 Version: 1.1 - 09/11/91
APTL: 0346 Hewlett-Packard POSIX Conformance Test Center Date Issued: 01/29/92

Reference File #: HPC2698
Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 8.02 Release: 10/06/91
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 800 Model: 817S
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: HPC2952
Product Supplier: Hewlett-Packard Company
Product Tested: Domain/OS Version: 10.4 Release: April 1992
System Supplier: Hewlett-Packard Company
System Hardware: Domain Series 400 Model: 433s
C Compiler: Domain/C Version: 6.9.M/MPX Release: May 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0346 Hewlett-Packard POSIX Conformance Test Center Date Issued: 09/2/92

Reference File #: HPC3574
Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 9.0 Release: October 7, 1992
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 400 Model: 433S
C Compiler: HP C Compiler Version: B2371B.08.00 Internal Revision 70.2 Release: October 7, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 2/19/93

Reference File #: HPC3760
Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 8.02 Release: 10/06/91
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 800 Model: 847S
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: HPC3897
Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 9.0 Release: October 7, 1992
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 800 Model: 847S
C Compiler: HP C Compiler Version: A 09.19 Release: October 7, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 1/07/93

Reference File #: HPC4246
Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 8.08 Release: 11/23/92
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 800 Model: 807S
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: HPC6304
Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 9.01 Release: January 4, 1993
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 700 Model: 720
C Compiler: HP C Compiler Version: HP92453-01 A.09.19 Release: December, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 2/19/93

Reference File #: HPC6391
Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 8.00 with PHCO_0800 (Patch) Release: January 1991, January 1992 (Patch)
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 400 Model: 400S
C Compiler: HP C Compiler Version: B 08.00 Release: December 1991
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0346 Hewlett-Packard POSIX Conformance Test Center Date Issued: 04/17/92

Reference File #: HPC6637
Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 8.08 Release: 11/23/92
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 800 Model: 817S
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: HPC6906
Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 9.01 Release: January 4, 1993
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 700 Model: 715
C Compiler: HP C Compiler Version: HP92453-01 A.09.19 Release: December, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 2/19/93

Reference File #: HPC7051
Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 8.08 Release: 11/23/92
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 800 Model: 867S
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: HPC7716
Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 8.08 Release: 11/23/92
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 800 Model: 847S
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: HPC8098
Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 8.02 Release: 10/06/91
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 800 Model: 807S
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: HPC9185
Product Supplier: Hewlett-Packard Company
Product Tested: HP-UX Version: 8 Release: 5/6/91
System Supplier: Hewlett-Packard Company
System Hardware: HP9000 Series 800 Model: 835
C Compiler: HP C Compiler Version: A 08.17 Release: 5/6/91
PCTS: 151-1 Version: 1.1 - 09/11/91
APTL: 0346 Hewlett-Packard POSIX Conformance Test Center Date Issued: 12/18/91

Reference File #: IBM0320
Product Supplier: International Business Machines Inc.
Product Tested: AIX Version 3 for RISC System/6000 Version: 3 Release: 2
System Supplier: International Business Machines Inc.
System Hardware: RISC System/6000 Model: 220
C Compiler: xlc Version: 1 Release: 2
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0342 Mindcraft, Inc. Date Issued: 02/25/92

Reference File #: IBM0458
Product Supplier: International Business Machines Inc.
Product Tested: AIX Version 3 for RISC System/6000 Version: 3 Release: 2
System Supplier: International Business Machines Inc.
System Hardware: RISC System/6000 Model: 530H
C Compiler: xlc Version: 1 Release: 2
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0342 Mindcraft, Inc. Date Issued: 02/25/92

Reference File #: IBM1344
Product Supplier: International Business Machines Inc.
Product Tested: AIX Version: 3 Release: 1
System Supplier: International Business Machines Inc.
System Hardware: RISC System/6000 Model: 320
C Compiler: xlc Version: 3 Release: 1
PCTS: 151-1 Version: 1.1 - 04/26/91
APTL: 0342 Mindcraft, Inc. Date Issued: 05/24/91

Reference File #: IBM2592
Product Supplier: International Business Machines Inc.
Product Tested: AIX Version: 3 Release: 1
System Supplier: International Business Machines Inc.
System Hardware: RISC System/6000 Model: 530
C Compiler: xlc Version: 3 Release: 1
PCTS: 151-1 Version: 1.1 - 04/26/91
APTL: 0342 Mindcraft, Inc. Date Issued: 05/24/91

Reference File #: IBM3697
Product Supplier: International Business Machines Inc.
Product Tested: AIX Version 3 for RISC System/6000 Version: 3 Release: 2
System Supplier: International Business Machines Inc.
System Hardware: RISC System/6000 Model: 320
C Compiler: xlc Version: 1 Release: 2
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0342 Mindcraft, Inc. Date Issued: 02/25/92

Reference File #: INT4675
Product Supplier: Intergraph Corporation
Product Tested: CLIX Version: 06.02.01 Release: 3.1
System Supplier: Intergraph Corporation
System Hardware: Intergraph 6400 Series Workstation Model: 6450
C Compiler: CLIPPER Advanced Optimizing C Compiler Version: 06.00.01.43 Release: 28-JAN-1992
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0343 DataFocus Incorporated Date Issued: 05/28/92

Reference File #: INT5154
Product Supplier: Interactive Systems Corp.
Product Tested: Interactive UNIX Operating System Version: 3.0 Release: 3.2
System Supplier: Compaq Computer Corporation
System Hardware: Compaq Model: System Pro
C Compiler: Interactive UNIX Software Development System Version: 3.0
PCTS: 151-1 Version: 1.1 - 09/11/91
APTL: 0345 UniSoft Corporation Date Issued: 10/16/91

Reference File #: MOD4817
Product Supplier: Modular Computer Systems, Inc.
Product Tested: REAL/IX Version: V.3 Release: D.0
System Supplier: Modular Computer Systems, Inc.
System Hardware: REAL/STAR Model: 1000
C Compiler: GNU C Compiler for REAL/IX Systems Version: 1.37
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0342 Mindcraft, Inc. Date Issued: 05/05/92

Reference File #: MOT1086
Product Supplier: Motorola Computer Group
Product Tested: UNIX® System V/88 Release 4.0 Version: 3 Release: 4.0
System Supplier: Motorola Computer Group
System Hardware: Motorola Series 8000 Model: 8x40
C Compiler: Software Development System Version: T302.0 Release: 12/2/92
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus, Inc. Date Issued: 2/19/93

Reference File #: MOT5618
Product Supplier: Motorola Computer Group
Product Tested: UNIX® System V/88 Release 4.0 Version: 3 Release: 4.0
System Supplier: Motorola Computer Group
System Hardware: Motorola Series 8000 Model: 8x20
C Compiler: Software Development System Version: T302.0 Release: 12/2/92
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus, Inc. Date Issued: 2/19/93

Reference File #: NCR0554
Product Supplier: NCR Corporation
Product Tested: NCR UNIX System V Version: Release 4 Release: 4.0.4
System Supplier: NCR Corporation
System Hardware: NCR 3B2 R3 Series Model: 3B2/1000 R3 (Military ID: 3B2/600 GR)
C Compiler: 3B2/RISC C Development System Release: 1.1
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus, Inc. Date Issued: 12/09/92

Reference File #: NCR2047
Product Supplier: NCR Corporation
Product Tested: NCR System V Release 4 MP-RAS, Rel 2 Version: SVR4 Release: 2
System Supplier: NCR Corporation
System Hardware: System 3000 Model: 3447
C Compiler: NCR C Development Toolkit Release: 2
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0343 DataFocus, Inc. Date Issued: 06/26/92

Reference File #: NCR2805
Product Supplier: NCR Corporation
Product Tested: NCR System V Release 4 MP-RAS, Rel 2 Version: SVR4 Release: 2
System Supplier: NCR Corporation
System Hardware: System 3000 Model: 3450
C Compiler: NCR C Development Toolkit Release: 2
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0343 DataFocus, Inc. Date Issued: 06/26/92

Reference File #: NCR3331
Product Supplier: NCR Corporation
Product Tested: NCR System V Release 4 MP-RAS, Rel 2 Version: SVR4 Release: 2
System Supplier: NCR Corporation
System Hardware: System 3000 Model: 3345
C Compiler: NCR C Development Toolkit Release: 2
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0343 DataFocus, Inc. Date Issued: 06/26/92

Reference File #: NCR4518
Product Supplier: NCR Corporation
Product Tested: NCR System V Release 4 MP-RAS, Rel 2 Version: SVR4 Release: 2
System Supplier: NCR Corporation
System Hardware: System 3000 Model: 3550
C Compiler: NCR C Development Toolkit Release: 2
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0343 DataFocus, Inc. Date Issued: 06/26/92

Reference File #: NCR7380
Product Supplier: NCR Corporation
Product Tested: UNIX® System V Release 4.0 Version 3.1 Version: 3.1 Release: 4.0
System Supplier: NCR Corporation
System Hardware: StarServer E Model: Release 3
C Compiler: Optimized C Compiler Version: 5.0
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus, Inc. Date Issued: 03/10/93

Reference File #: PYR1271
Product Supplier: Pyramid Technology Corporation
Product Tested: OSx Version: 5.1a-92a023 Release: 0422s
System Supplier: Pyramid Technology Corporation
System Hardware: MIServer Model: MIS-2T
C Compiler: att_cc Version: 5.1
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0343 DataFocus Incorporated Date Issued: 05/28/92

Reference File #: PYR3067
Product Supplier: Pyramid Technology Corporation
Product Tested: DataCenter/OSx Version: dcosx Release: 1.1-92c027
System Supplier: Pyramid Technology Corporation
System Hardware: MIServer Model: 2S
C Compiler: DataCenter/OSx C Compiler Release: 1.1-92c027
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus Incorporated Date Issued: 09/09/92

Reference File #: PYR3233
Product Supplier: Pyramid Technology Corporation
Product Tested: DataCenter/OSx Version: dcosx Release: 1.1-92c027
System Supplier: Pyramid Technology Corporation
System Hardware: MIServer Model: 12S
C Compiler: DataCenter/OSx C Compiler Release: 1.1-92c027
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus Incorporated Date Issued: 10/05/92

Reference File #: PYR4970
Product Supplier: Pyramid Technology Corporation
Product Tested: DataCenter/OSx Version: dcosx Release: 1.1-92c027
System Supplier: Pyramid Technology Corporation
System Hardware: MIServer Model: 4S
C Compiler: DataCenter/OSx C Compiler Release: 1.1-92c027
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus Incorporated Date Issued: 09/09/92

Reference File #: PYR9863
Product Supplier: Pyramid Technology Corporation
Product Tested: OSx Version: 5.1a Release: 0318t
System Supplier: Pyramid Technology Corporation
System Hardware: MIServer Model: MIS-4T
C Compiler: att_cc Version: 5.1
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0343 DataFocus Incorporated Date Issued: 05/28/92

Reference File #: SCO3664
Product Supplier: Santa Cruz Operation Inc.
Product Tested: SCO Open Desktop Version: 2.0
System Supplier: Diamond Flower Incorporated
System Hardware: DFI Model: 486SX/25
C Compiler: Microsoft C Version: 5.1
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus Incorporated Date Issued: 11/02/92

Reference File #: SCO3832
Product Supplier: Santa Cruz Operation Inc.
Product Tested: SCO UNIX System V/386 Version: Release 3.2
System Supplier: Zenith Data Systems
System Hardware: Z Station Model: 433DEh
C Compiler: Microsoft C Version: 5.1
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus Incorporated Date Issued: 09/28/92

Reference File #: SCO4102
Product Supplier: Santa Cruz Operation, Inc.
Product Tested: SCO UNIX System V/386 Version: Release 3.2
System Supplier: AST Research, Inc.
System Hardware: Premium Series Model: 486/33
C Compiler: Microsoft C Version: 5.1
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus, Inc. Date Issued: 07/01/92

Reference File #: SCO5199
Product Supplier: Santa Cruz Operation Inc.
Product Tested: SCO UNIX System V/386 Version: 3.2
System Supplier: Zenith Data Systems
System Hardware: Zenith Data Systems Supersport Laptop Model: Supersport SX
C Compiler: Microsoft C Version: 5.1
PCTS: 151-1 Version: 1.1 - 07/01/91
APTL: 0343 DataFocus Incorporated Date Issued: 09/17/91

Reference File #: SCO6748
Product Supplier: Santa Cruz Operation Inc.
Product Tested: SCO UNIX System V/386 Version: 3.2 Release: 2
System Supplier: Data General Corporation
System Hardware: Walkabout/SX Model: G2763
C Compiler: Microsoft C Optimizing Compiler Version: 5.1
PCTS: 151-1 Version: 1.1 - 07/01/91
APTL: 0342 Mindcraft, Inc. Date Issued: 09/10/91

Reference File #: SCO8054
Product Supplier: Santa Cruz Operation Inc.
Product Tested: SCO Open Desktop Version: 2.0
System Supplier: Diamond Flower Incorporated
System Hardware: DFI Model: 486/33
C Compiler: Microsoft C Version: 5.1
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus Incorporated Date Issued: 11/02/92

Reference File #: SCO9875
Product Supplier: Santa Cruz Operation Inc.
Product Tested: SCO UNIX System V/386 Version: 3.2
System Supplier: UNISYS Corporation
System Hardware: PW^2 Advantage 3000 Series Model: 3256
C Compiler: Microsoft C Version: 5.1
PCTS: 151-1 Version: 1.1 - 09/11/91
APTL: 0343 DataFocus Incorporated Date Issued: 11/01/91

Reference File #: SEC8754
Product Supplier: Sequent Computer Systems Inc.
Product Tested: DYNIX/ptx Operating System Version: 1.3.0
System Supplier: Sequent Computer Systems Inc.
System Hardware: Symmetry Series II Model: S27
C Compiler: C Tools Version: 1.12p
PCTS: 151-1 Version: 1.1 - 09/11/91
APTL: 0345 UniSoft Corporation Date Issued: 12/09/91

Reference File #: SGI5507
Product Supplier: Silicon Graphics, Inc.
Product Tested: IRIX Version: 4.0.5
System Supplier: Silicon Graphics, Inc.
System Hardware: IRIS Model: Crimson
C Compiler: IRIS Development Option Version: 2.20
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0342 Mindcraft, Inc. Date Issued: 06/15/92

Reference File #: SGI9297
Product Supplier: Silicon Graphics, Inc.
Product Tested: IRIX Version: 4.0.5
System Supplier: Silicon Graphics, Inc.
System Hardware: IRIS Model: Indigo
C Compiler: IRIS Development Option Version: 2.20
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0342 Mindcraft, Inc. Date Issued: 06/15/92

Reference File #: SUN0617
Product Supplier: SunSoft, Inc.
Product Tested: Solaris Version: 1.0.1 Release: PC
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCstation IPC Model: GX
C Compiler: Solaris C Compiler Version: 1.0.1 Release: December 4, 1991
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus Incorporated Date Issued: 08/27/92

Reference File #: SUN1065
Product Supplier: Sun Microsystems Computer Corporation, Inc.
Product Tested: Solaris 2.1 for x86 Version: 2.1 Release: May 1993
System Supplier: Dell Computer Corporation
System Hardware: 450 Model: DE
C Compiler: ProCompiler C Version: 2.0.1 for x86 Release: May 1993
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 05/20/93

Reference File #: SUN1442
Product Supplier: Sun Microsystems Computer Corporation, Inc.
Product Tested: Solaris Version: 2.2 Release: May 28, 1993
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCstation LX Model: 4/30
C Compiler: Sun C Compiler Version: 2.0.1 Release: October 3, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 05/28/93

Reference File #: SUN2031
Product Supplier: Sun Microsystems Computer Corporation, Inc.
Product Tested: Solaris Version: 2.1 Release: August 4, 1992
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SunWorkstation 4/30 Model: 4/30
C Compiler: Sun C Compiler Version: 2.0 Release: June 30, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 10/08/92

Reference File #: SUN2241
Product Supplier: SunSoft, Inc.
Product Tested: Solaris Version: 2.0 Release: June 1992
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCstation 2 Model: 4/75
C Compiler: Sun C Compiler Version: 2.0 Release: 20 May 1992
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0342 Mindcraft, Inc. Date Issued: 07/02/92

Reference File #: SUN2727
Product Supplier: Sun Microsystems Computer Corporation, Inc.
Product Tested: Solaris Version: 2.1 Release: December 7, 1992
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCserver 10 Model: 42
C Compiler: Sun C Compiler Version: 2.0.1 Release: October 3, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 1/07/93

Reference File #: SUN2930
Product Supplier: Sun Microsystems Computer Corporation, Inc.
Product Tested: Solaris Version: 2.2 Release: May 28, 1993
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCstation 2 Model: 4/75
C Compiler: Sun C Compiler Version: 2.0.1 Release: October 3, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 05/28/93

Reference File #: SUN3129
Product Supplier: SunSoft, Inc.
Product Tested: Interactive Unix Operating System V/386 Version: 3.0.1 Release: 3.2
System Supplier: Compaq Computer Corporation
System Hardware: Desk Pro Model: 386/20E
C Compiler: Interactive Unix Software Development System Version: 3.0 Release: December 4, 1991
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0345 UniSoft Corporation Date Issued: 9/18/92

Reference File #: SUN3272
Product Supplier: Sun Microsystems Computer Corporation, Inc.
Product Tested: Solaris Version: 2.2 Release: May 28, 1993
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCenter 10 Model: 54
C Compiler: Sun C Compiler Version: 2.0.1 Release: October 3, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 05/28/93

Reference File #: SUN3402
Product Supplier: Sun Microsystems Computer Corporation, Inc.
Product Tested: Solaris Version: 2.1 Release: August 4, 1992
System Supplier: RDI
System Hardware: BriteLite Model: IPX Color Laptop Workstation
C Compiler: Sun C Compiler Version: 2.0 Release: June 30, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 10/16/92

Reference File #: SUN3403
Product Supplier: SunSoft, Inc.
Product Tested: Interactive Unix Operating System V/386 Version: 3.0.1 Release: 3.2
System Supplier: Alpha Systems Lab
System Hardware: ASL486/33 Model: ASL433
C Compiler: Interactive Unix Software Development System Version: 3.0
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0345 UniSoft Corporation Date Issued: 10/05/92

Reference File #: SUN5382
Product Supplier: SunSoft, Inc.
Product Tested: Solaris Version: 1.0.1 Release: PC
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCstation IPX Model: GX
C Compiler: Solaris C Compiler Version: 1.0.1 Release: December 4, 1991
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus Incorporated Date Issued: 09/02/92

Reference File #: SUN5684
Product Supplier: Sun Microsystems Computer Corporation, Inc.
Product Tested: Solaris Version: 2.1 Release: December 7, 1992
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCclassic Model: 4/15
C Compiler: Sun C Compiler Version: 2.0.1 Release: October 3, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 1/07/93

Reference File #: SUN5782
Product Supplier: Sun Microsystems Computer Corporation, Inc.
Product Tested: Solaris Version: 2.1 Release: August 4, 1992
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCserver 10 Model: 30
C Compiler: Sun C Compiler Version: 2.0 Release: June 30, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 10/08/92

Reference File #: SUN5970
Product Supplier: Sun Microsystems Computer Corporation, Inc.
Product Tested: Solaris Version: 2.1 Release: August 4, 1992
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCserver 10 Model: 41
C Compiler: Sun C Compiler Version: 2.0 Release: June 30, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 10/08/92

Reference File #: SUN6602
Product Supplier: Sun Microsystems Computer Corporation, Inc.
Product Tested: Solaris Version: 2.2 Release: May 28, 1993
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCenter 2000 Model: 01
C Compiler: Sun C Compiler Version: 2.0.1 Release: October 3, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 05/28/93

Reference File #: SUN6635
Product Supplier: SunSoft, Inc.
Product Tested: Solaris Version: 1.0.1 Release: PC
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCserver 690 Model: 140
C Compiler: Solaris C Compiler Version: 1.0.1 Release: December 4, 1991
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0342 Mindcraft, Inc. Date Issued: 02/19/92

Reference File #: SUN6859
Product Supplier: SunSoft, Inc.
Product Tested: INTERACTIVE UNIX Operating System V/386 Version: 4.0 Release: 3.2
System Supplier: Compaq Computer Corporation
System Hardware: DeskPro Model: 66M
C Compiler: INTERACTIVE Software Development System Version: 4.0 Release: May 1993
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 07/15/93

Reference File #: SUN7188
Product Supplier: Sun Microsystems Computer Corporation, Inc.
Product Tested: Solaris Version: 1.1 Release: August 24, 1992
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCstation 10 Model: GX-30
C Compiler: Solaris C Compiler Version: 1.1 Release: August 24, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 08/27/92

Reference File #: SUN7793
Product Supplier: Sun Microsystems Computer Corporation, Inc.
Product Tested: Solaris Version: 2.1 Release: August 4, 1992
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCserver 10 Model: 42
C Compiler: Sun C Compiler Version: 2.0 Release: June 30, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 10/08/92

Reference File #: SUN9763
Product Supplier: SunSoft, Inc.
Product Tested: Solaris Version: 1.0.1 Release: PC
System Supplier: Sun Microsystems Computer Corporation, Inc.
System Hardware: SPARCstation 2 Model: GX
C Compiler: Solaris C Compiler Version: 1.0.1 Release: December 4, 1991
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0342 Mindcraft, Inc. Date Issued: 02/19/92

Reference File #: UNI0505
Product Supplier: Unisys Corporation
Product Tested: UNIX System V Release 4 Version: Revision 1.0.2
System Supplier: Unisys Corporation
System Hardware: Unisys U 6000 Series Model: U 6000/15

C Compiler: UNIX System V Release 4 Standard C Development Environment Version: 1.0.2
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0342 Mindcraft, Inc. Date Issued: 04/30/92

Reference File #: UNI1798
Product Supplier: Unisys Corporation
Product Tested: UNIX System V Release 4 Version: Revision 1.0.2
System Supplier: Unisys Corporation
System Hardware: Unisys U 6000 Series Model: U 6000/65

C Compiler: UNIX System V Release 4 Standard C Development Environment Version: 1.0.2
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0342 Mindcraft, Inc. Date Issued: 05/12/92

Reference File #: UNI3690
Product Supplier: Unisys Corporation
Product Tested: UNIX System V Release 4 Version: 1.1 Release: October 30, 1992
System Supplier: Unisys Corporation
System Hardware: Unisys U 6000 Series Model: U6000/65
C Compiler: UNIX System V Release 4 Standard C Development Environment Version: 1.1
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 09/28/92

Reference File #: UNI5711
Product Supplier: Unisys Corporation
Product Tested: UNIX System V Release 4 Version: Revision 1.0.2
System Supplier: Unisys Corporation
System Hardware: Unisys U 6000 Series Model: U 6000/60
C Compiler: UNIX System V Release 4 Standard C Development Environment Version: 1.0.2
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0342 Mindcraft, Inc. Date Issued: 05/12/92

Reference File #: UNI9063
Product Supplier: Unisys Corporation
Product Tested: UNIX System V Release 4 Version: Revision 1.0.2
System Supplier: Unisys Corporation
System Hardware: Unisys U 6000 Series Model: U 6000/35

C Compiler: UNIX System V Release 4 Standard C Development Environment Version: 1.0.2
PCTS: 151-1 Version: 1.1 - 01/22/92
APTL: 0342 Mindcraft, Inc. Date Issued: 05/12/92

Reference File #: UNI9080
Product Supplier: Unisys Corporation
Product Tested: CTOS II Version: 3 Release: 3
System Supplier: Unisys Corporation
System Hardware: Unisys B-Series Model: NGEN
C Compiler: Microsoft C Version: 6.0
PCTS: 151-1 Version: 1.1 - 07/01/91
APTL: 0343 DataFocus Incorporated Date Issued: 09/17/91

Reference File #: UNV0528
Product Supplier: Univel
Product Tested: UnixWare Version: 1.0 Release: June 1993
System Supplier: Unisys Corporation
System Hardware: Unisys U 6000/DT Series/PW^2 Advantage Plus Series
Model: U6000/DT1 (MPE 4332)
C Compiler: Optimizing C Compilation System Version: 2.0 Release: Nov. 2, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 05/18/93

Reference File #: UNV2014
Product Supplier: Univel
Product Tested: UnixWare Version: 1.0 Release: June 1993
System Supplier: Unisys Corporation
System Hardware: Unisys U 6000/DT Series/PW^2 Advantage Plus Series
Model: U6000/DT2 (MPE 4663)
C Compiler: Optimizing C Compilation System Version: 2.0 Release: Nov. 2, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 05/18/93

Reference File #: UNV3978
Product Supplier: Univel
Product Tested: UnixWare Version: 1.0 Release: June 1993
System Supplier: Unisys Corporation
System Hardware: Unisys PW^2 Advantage Series
Model: MPI 4336)
C Compiler: Optimizing C Compilation System Version: 2.0 Release: Nov. 2, 1992
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 05/18/93

Reference File #: USL2115
Product Supplier: UNIX System Laboratories, Inc.
Product Tested: UNIX System V Release 4 Version: 4 Release: 4.0
System Supplier: AST Research, Inc.
System Hardware: Premium Series Model: 486/33
C Compiler: Standard C Development Environment Version: 5.0
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0343 DataFocus, Inc. Date Issued: 07/01/92

Reference File #: USL3610
Product Supplier: UNIX System Laboratories, Inc.
Product Tested: UNIX® System V Release 4 for the Intel386™ Architecture Version: 4
Release: July 1991
System Supplier: AT&T
System Hardware: AT&T 6386/25 WGS Model: CPU 311 PC3B
C Compiler: Standard C Development Environment Version: Issue 5
PCTS: 151-1 Version: 1.1 - 09/11/91
APTL: 0342 Mindcraft, Inc. Date Issued: 12/12/91

Reference File #: USL6259
Product Supplier: UNIX System Laboratories, Inc.
Product Tested: UNIX® System V/386 Release 4 Version: 4.0T Release: August 1992, with PATCH #1 (Package Date: 11/20/92)
System Supplier: AST Research, Inc.
System Hardware: Premium 486/33 Model: 3V
C Compiler: UNIX System Laboratories Standard C Development Environment Version: Issue 5
PCTS: 151-1 Version: 1.1 - 05/21/92
APTL: 0342 Mindcraft, Inc. Date Issued: 2/12/93

6.7 TESTING LABORATORIES AND VALIDATED PRODUCTS for NIST POSIX (FIPS 151-2)

ACCREDITED NIST POSIX TESTING LABORATORIES

The National Voluntary Laboratory Accreditation Program (NVLAP) has accredited the following laboratories to test computer operating system interfaces for conformance with the Federal Information Processing Standard 151-2 (FIPS 151-2) using the NIST POSIX Conformance Test Suite (NIST-PCTS:151-2). Only accredited laboratories may submit test reports to NIST/CSL for validation.

DataFocus Incorporated
12450 Fair Lakes Circle, Suite 400
Fairfax, VA 22033

Contact: Mr. Glen McPherson
Phone: 703-631-6770

Mindcraft, Inc.
410 Cambridge Avenue
Palo Alto, CA 94306

Contact: Mr. Bruce Weiner
Phone: 415-323-9000

NIST POSIX VALIDATED PRODUCTS

The following products have been tested by an Accredited POSIX Testing Laboratory (APTL) using the official National Institute of Standards and Technology POSIX Conformance Test Suite (NIST-PCTS:151-2) for the Federal Information Processing Standards 151-2 (FIPS PUB 151-2). A Certificate of Validation has been issued by NIST/CSL. Additional information is available from NIST/CSL on conditional features supported, configuration details, and resolved test codes (if appropriate).

Information in this listing includes product information on the implementation and system tested and information on the type of implementation. FIPS 151-2 supports three types of implementations, native, hosted, and cooperating. A native implementation "refers to an implementation of POSIX.1 that interfaces directly to an operating system kernel." A Cooperating implementation "refers to an implementation of POSIX.1 that interfaces directly to an operating system kernel but the load modules are not producible on this implementation." A hosted implementation "refers to an implementation of POSIX.1 that is accomplished through interfaces from the POSIX.1 services to some alternate form of operating system kernel services."

Information is also provided on the following primary conditional features:

General Terminal Interface devices (GTI),
Mountable File System (MFS),
Modem Control (MC), and
Appropriate Privileges (AP).

PRODUCT SUPPLIERS	REFERENCE FILE #
Digital Equipment Corporation	151-2DEC001

SYSTEM SUPPLIERS	REFERENCE FILE #
Digital Equipment Corporation	151-2DEC001

PRODUCTS

151-2DEC001 Issued: 08/12/93 Type: Hosted
Product Supplier: Digital Equipment Corporation
Product: POSIX for Open VMS AXP Version X1.0-041
PCD: POSIX 1003.1-1990 Conformance Document for Open VMS AXP (July 1993)
GTI - NOT Provided by Product MC - NOT Provided by Product
MFS - Supported by Product AP - Supported by Product
Computer Hardware Supplier: Digital Equipment Corporation
Computer Hardware Product: DECsystem, Model 4000/610
Host Operating System Supplier: Digital Equipment Corporation
Host Operating System: OpenVMS AXP Version 1.5
C Compiler: DEC C Version 1, Release 3
APTL: 0343 DataFocus Incorporated

For further information on the NIST/CSL POSIX validation program contact Martha M. Gray, Computer Systems Laboratory, B266 Technology Bldg., NIST, Gaithersburg, MD 20899. Telephone: 301-975-3276, fax: 301-590-0932, e-mail: gray@swe.ncsl.nist.gov.

This register is also available on an electronic mail (email) file server system. To use the service, you must be able to send and receive email via the Internet. For most email systems, send an email message (*mail posix@nist.gov*) with the first line of the message containing a command to *send 151-1reg* and a carriage return. The next line should simply end your email message (on some systems a period and a carriage return). This register will be returned via email to your email address. There is also a register for FIPS 151-2 accredited laboratories and validated products. For this register use the command *send 151-2reg*.

7. COMPUTER SECURITY

7.1 Cryptographic Standards

The lists in Sections 7.6, 7.7 and 7.8 provide technical information about products that have been validated as conforming to the following computer security FIPS:

a. Data Encryption Standard (DES), FIPS PUB 46-1,

b. Computer Data Authentication, FIPS PUB 113, and

c. Key Management Using ANSI X9.17, FIPS PUB 171.

7.2 Data Encryption Standard Validation Tests

FIPS PUB 46-1 specifies a cryptographic algorithm that converts plaintext to ciphertext using a 56-bit key. Testing procedures for the validation of devices as conforming to FIPS PUB 46-1 are described in the NBS Special Publication 500-20, Validating the Correctness of Hardware Implementations of the NBS Data Encryption Standard. The validation of a device is performed by running the Monte Carlo test described in the publication. The Monte-Carlo test consists of eight million encryptions and four million decryptions, with two encryptions and one decryption making up a single test. The test is designed to use the Electronic Codebook Mode (ECB) of DES. Although the actual test described in NBS Special Publication 500-20 is the same test used to validate devices today, the procedures for administering the test have changed. Currently, the test is performed by the vendor using initial values supplied by NIST. The vendor uses the supplied information to run the Monte-Carlo test and sends the results to NIST.

7.3 Message Authentication Code (MAC) Validation System

FIPS PUB 113 specifies a Data Encryption Algorithm which may be used to detect unauthorized intentional and accidental modifications to data. This process is known as data authentication. The algorithm is based on DES and is used to authenticate an entire binary message. FIPS PUB 113 is compatible with ANSI X9.9 which provides methods for authenticating an entire binary message as well as all or parts of a message which are in a coded character format. Procedures for the validation of products which implement FIPS PUB 113 and ANSI X9.9 are described in NBS Special Publication 500-156, Message Authentication Code (MAC) Validation System: Requirements and Procedures.

7.4 Key Management Validation System (KMVS)

FIPS PUB 171 adopts ANSI X9.17 for Federal Government use. ANSI X9.17, Financial Institution Key Management (Wholesale), provides procedures and protocols for the secure generation, distribution, storage, entry, use and destruction of symmetric cryptographic keying material (e.g., DES). It provides key management solutions for a variety of operational environments, and as such, ANSI X9.17 contains a number of options. FIPS PUB 171 specifies a particular set of options whenever keying material is distributed using the protocols of ANSI X9.17. Procedures for the validation of products which conform to a subset of the options selected in FIPS PUB 171 are described in the Key Management Validation System: Point-to-Point Validation System document which is available from the Manager of the Security Group (see Section 7.5).

7.5 General

7.5.1 Request for Validation

To validate a product, a vendor should send a formal request for validation which includes a clear indication of the product to be tested. The request must also include the name, address, and telephone number of the person within the vendor's organization who will be responsible for the validation testing. The request should be sent to:

Manager, Security Technology Group
Computer Security Division
Computer Systems Laboratory
Building 225, Room A216
National Institute of Standards and Technology
Gaithersburg, MD 20899
Telephone (301) 975-2920

7.5.2 Information about Validated Products

It should be noted that the purpose of the following lists (see Sections 7.6, 7.7 and 7.8) is to provide technical information about products that have been validated as conforming to the FIPS Standards listed in Section 7.1. NIST has made every attempt to provide complete and accurate information about the products described in the following lists. However, due to the possibility of changes made within individual companies, NIST cannot guarantee that this document reflects the current status of each product.

7.5.3 Validation Documentation

Copies of the above FIPS and Special Publications are for sale by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161. The KMVS validation requirements document discussed in Section 7.4 can be obtained by contacting the Manager of the Security Technology Group at the above address.

7.6 DES Validated Devices

NOTE: The purpose of this document is to provide technical information about devices that have been validated as conforming to Federal Information Processing Standard Publication 46-1, Data Encryption Standard. The National Institute of Standards and Technology (NIST) has made every attempt to provide complete and accurate information about the devices described in this document. However, due to the possibility of changes made within individual companies, NIST cannot guarantee that this document reflects the current status of each product.

MANUFACTURER ADDRESS	DEVICE ID	PRODUCT	VALIDATION DATE	DESCRIPTION
ADT Security Systems 2560 Huntington Avenue Fourth Floor Alexandria, VA 22303 Hal Marriott (703) 960-8548	ADT Universal Communicator	7187-099 Universal Subsystem and 2995 Universal Subsystem	10/17/90	Chip is an on board component for Communicator products in the High Security Intrusion Detection System. System has integrated key management capabilities.
Advanced Micro Devices, Inc. 4115 Freiderich Lane Mail Stop 135 Austin, TX 78744 Patrick Soheili (408) 749-2161	AmZ8068	8068DC; 8068DCB; 8068JC; 8068PC;	1/28/81	One 40-pin DIP package; n-channel Si-gate technology; ECB, CBC and 8-bit CFB modes; separate ports for key input, clear data and enciphered data; concurrent input, output and ciphering activities; external DMA control; interfaces with AmZ8000 CPU bus directly, and with the 2900, 8080, 8085 and 8048 families with minimum throughput greater than 1 Mbytes per second; greater than 1 Mbytes per second.
	AM 9568	9568DC; 9568DCB; 9568I; 9568DMB; 9568JC; 9568PC;	2/28/84	N-channel silicon gate LSI product containing the circuitry necessary to encrypt and decrypt data; can be used in terminals dedicated controllers, communication concentrators, and peripheral task processors in general processor systems; can be used in CF, ECB, or CBC operating modes; separate ports for key input, clear data, and enciphered data enhanced security; interface directly to the IAPX86, 88 bus; interfaces with 2900 and 8051 families with minimal external logic.
American Telephone and Telegraph Company (AT&T) 6612 E. 75th Street P.O. Box 1008 Indianapolis, IN 46206 Ken Zempol (908) 658-6870	AT&T Smart Card Version 2.11/DES	Computer Security System	5/3/91	Card is part of a smart card based Computer Security System (CSS). The card is carried by an authorized user and permits the user to gain access to host computer systems that are protected by the CSS.
	AT&T Smart Card Version 3.0/DES (5E1)	Computer Security System	7/19/91	This version of the AT&T Smart Card is designed to closely follow developments in the international standards arena in areas of card communication protocols, commands and file structures. It is a general purpose smart card that supports multiple applications and uses the DES as a basic part of its operating system.
Arkansas Systems Inc. 8901 Kanis Road Little Rock, AR 72205-6498 David H. Bishop (501) 227-8471	DES-MATE	Device Only	7/6/89	Provides data encryption for messages sent and received on-line between and ATM/EFT Network switch processor and an IBM host participant in that network. DES key management is automatic and under system control.
AT&T Whippany Road Whippany, N.J. 07981 William Oeschger (201) 898-1198	AT&T T7000A Digital Encryption Processor	Chip Only	4/22/86	Manufactured using CMOS technology; 40-pin DIP; encryption modes include ECB, CBC, CFB, and OFB; throughput 1.882 Mbytes/second on-chip RAM and ROM program memory.

DES Validated Devices, *Continued*

MANUFACTURER ADDRESS	DEVICE ID	PRODUCT	VALIDATION DATE	DESCRIPTION
AT&T Bell Laboratories 25 Lindsley Drive Room 2B-309 Morristown, N.J. 07960 William Oeschger (201) 898-1198	DEP229ER (WE229ER)	Not Commercially Available	9/6/83	3.5 micron NMOS technology; 40-pin DIP; encryption modes - ECB, CBC, OFB, CFB1, CFB8, CFB64; Throughput rate of 117K ciphering operation/second.
American Telephone and Telegraph Company AT&T Guilford Center I-85 and Mt Hope Church Road McLeansville, NC 27420 Mr. B. F. Bailey (919) 279-3779	AT&T Mark E DES Key Generator, PN ON493049-1X	Not Available	6/3/92	Not available
American Telephone and Telegraph Company AT&T Guilford Center I-85 and Mt Hope Church Road McLeansville, NC 27420 Mr. M. Zugay (919) 279-3779	AT&T Mark ET DES Key Generator, Part No. AN10014-1	Not Available	6/3/92	Not available
Chase Manhattan Bank, N.A. 199 Water Street 12th Floor New York, NY 10081 Robert Stevenson (212) 797-4153	Chase Encryption Device 1	Not Available	7/24/84	Not Available
Collins Telecommunications Collins Defense Communications 350 Collins Road, NE Mail Stop 120-105 Cedar Rapids, Iowa 52498 Jim Perkins (319) 395-5773	765-5914-001	CR-200	10/15/77	pMOS chip with 40 usec algorithm execution time; chip has approximately a 50 nsec state change; can perform I/O functions while the chip is in operation; part of network stand-alone encryptor.
	Voice Privacy Device VP430	Device Only	10/6/81	Imbedded encryption device for commercial hand held communications devices.
Computer Elektronik Infosys of America, Inc. 512-A Herndon Parkway Herndon, VA 22070 A. Mark Brown (703) 435-3800	SuperCrypt	Chip and Design Kit	7/24/91	Chip designed for high speed (12 Megabytes/sec data rates) encryption and decryption. ECB, CBC, CFB and OFB modes of DES supported as well as MAC generation. Available as a 120 Pin Flat Pack.
	CryptCard	CryptCard	1/12/93	CryptCard is an access control and DES encryption adapter for notebook PCs that have a PCMCIA slot.
Cylink Corporation 110 South Wolfe Road Sunnyvale, CA 94086 Les Nightingill (408) 735-5800	CY1045	Chip Only	1/28/87	Not Available
	Cylink Faxdes	Device Only	7/1/87	Not Available
	12035-001, DES52M	Device Only	6/3/92	Not Available
	12422-001, DES2M1CFB	Device Only	8/27/92	Not Available
Datakey Inc. 407 West Travelers Trail Burnsville, MN 55337-9990 Michael Carenzo (612) 890-6850	H8-310 ASACS Smart Card	H8-310 ASACS Smart Card	7/2/92	The ASACS hardware consists of a credit-card sized smart card with an embedded Hitachi H8/310 microprocessor and a reader/writer interface which provides an RS-232 serial connection to a host computer. The smart card functions are implemented in firmware which is stored in the memory of the card's microprocessor.

DES Validated Devices, *Continued*

MANUFACTURER ADDRESS	DEVICE ID	PRODUCT	VALIDATION DATE	DESCRIPTION
Docutel/Olivetti Corporation 106 Decker Court Suite 300 Irving, TX 75062 Division International Marketing (214) 550-5400	Docutel Nordisk Spardata Cash Dispensing Terminal	Total Teller 2380;ETS 5100;	6/20/82	Firmware implementation of DES in ROM for PIN/communications security.
The Exchange 15395 SE 30th Place Bellevue, WA 98007 Patricia Lenti-Crane (206)644-7000	EXCRYPT DEB-64-KM (originally EXCLUDE DEB-64-KM)	Device Only	1/26/89	Encrypts and decrypts data; generates random keys; supports up to six security processor boards that can be run in parallel to enhance throughput; has storage capacity for up to 4000 DES keys; developed for secure financial transactions.
Front Line Software P.O. Box 217 Lowell, MA 01853 William Graham (617) 452-3352	726-8064 PROM Device	Chip Only	12/1/86	4 K EPROM to be used with Intel IPAX family of microprocessors including all models of the IBM PC family; all modes of DES supported.
GEMPLUS CARD INTERNATIONAL 6290 Montrose Road Rockville, MD 20852 Gilles Lisimaque (301) 770-1558	MCOS16K EEPROM/DES	Card Only	3/18/91	A multi-application smart card which complies with the ISO standard 7816 (parts 1, 2, and 3) for Integrated Circuit cards with contacts.
General Electric Company Mountain View Road Lynchburg, VA 24502 Jim Elder (804) 948-6187	Part Number 19B801375	Not Available	6/28/85	The GE DES IC is a microprocessor controlled, low speed asynchronous CMOS IC using DES. Intended to provide secure voice in commercial grade mobile radio applications.
Glenco Engineering, Inc. 270 Lexington Drive Buffalo Grove, IL 60089-6930 D. Wade Clark (708) 808-0300	Glen-DES PN GL306051	Glen-DES PN GL306051	5/8/92	The Glen-DES is a compact 20 pin design, using low power CMOS technology, operating at 3us using a 16 MHz clock. The DES chip features nonvolatile internal memory, an external key and a combined key. It is available with a simple CPU interface and it supports a DOS printer port implementation.
IBM Corporation Federal Systems Division P.O. Box 100 Kingston, NY 12401 Robert Elander (914) 385-6692	4402182 WK4/988	Chip Only	11/1/77	This card used in terminal equipment; the chip uses technology with PLA control to implement CBC;
	P/N 8270094 using DES Chip P/N 5898057 (originally 8269206)	Not Available	8/25/78	This card is used in 3845 and 3846 equipment for 8-bit CFB.
	Two TTL cards - 8632242 and 8679176	3846-Link Encryption;3848-Cryptographic Unit;	9/21/79	Will operate at least at the 1.5 Mbytes 360 channel rate; card set is used in the 3848 cryptographic unit; uses "Emerald-5" technology.
IBM Corporation 1001 W.T. Harris Blvd. West Charlotte, NC 28257 William Rohland (704) 594-8250	4745 Security Interface Unit and the Personal Security Card	IBM 4753 Network Security Processor	10/10/90	Devices are used in a transaction security system to protect the privacy and integrity of data using a common cryptographic interface. The security interface unit communicates with the Personal Security Card and the cryptographic adaptor, if present. The Personal Security Card is an integrated-circuit chip card that contains a single chip security processor.

DES Validated Devices, *Continued*

MANUFACTURER ADDRESS	DEVICE ID	PRODUCT	VALIDATION DATE	DESCRIPTION
Intel 1900 Prairie City Road Folsom, CA 95630 Joe Dragony (916) 351-5250	8294	Not Available	1/3/78	Algorithm is microcode which is burned into a 1 Kbyte ROM on a 5 volt, 40-pin chip driven by a 8042 microprocessor.
	8294A	8294 chip; 8294A chip;	6/20/82	Same as the 8294 except for a maximum data transfer rate of 400 bytes per second.
John E. Holt & Associates [illegible] Key Boulevard Arlington, VA 22201 John Holt (703) 524-2923	Krypton Firmware	Expansion board available in two models;	2/12/86	ROM chips for the standard IBM PC family include eight 3722 chips, four 2764 chips and one 27256 chip; 1024-bit CBC chaining; encryption speed dependent on clock of PC; ROM can plug directly into ROM slot.
Lexicon ICOT Corporation 3801 Zanker Road P.O. Box 5143 San Jose, CA 95150-5143 Bob Lynch (408) 433-3300	LEX-POS (Model 600)	Device Only	11/28/84	A Personal Identification Number (PIN) entry device; used in conjunction with financial transaction devices, 16 key keyboard, 20 character display, RS-232 compatible, Lexicon sold LEX-POS to ICOT Corporation.
LSI Logic/Dataco AS Smedeholm 12-14 DK-2730 Herlev Denmark Jens Kjelsbak 45 44 53 01 00	Dataco L5A4043 2030025402	ScaNET PC TCP/IP package; Gateway; IBM 3270 Gateway; Terminal Server; IBM S/3X Terminal Server; Buffered Repeater;	1/12/90	Custom DES IC was manufacturer by LSI Logic for Dataco. The DES chip is designed for optional use in ScaNet local area network products.
Matsushita Electronic Components High Frequency Products Division One Pansonic Way Secaucus, NJ 07094 Dursun Sakarya (201) 348-7767	EBC 1642 IC Card	Card Only	3/13/91	Card is designed to be a high security external storage media housing an 8 bit CPU and 64 Kbit EEPROM.
Micro Card Technologies, Inc. 14070 Proton Road Dallas, TX 75244 Jeff Lang (214) 788-4055	Micro Card TB100 Integrated Circuit Card	TB100 Integrated Circuit Card Family	9/19/90	A multi-application integrated circuit card which can simultaneously support several application data files. Ciphering and deciphering functions may be used to encrypt or decrypt external messages using DES.
Morse Security Group, Inc. 12960 Bradley Avenue Sylmar, CA 91342-0128 Nalin Chheda (800) 423-5669 (818) 367-5951	TRAP 5200 System	Touch Response Alarm; Touch Response Transponder;	4/17/90	Touch response alarm processor system, including a receiver processor located in a data gathering center and a series of transponders located at remote locations, contains DES to produce encrypted data that flows along a communication path.
Motorola Microprocessor Products Division 6501 William Cannon Drive West Austin, TX 78735-8598 Don Ponder (512) 440-2956	MC6859 (originally MGD68NE)	MC6859 Chip	2/11/80	Si-gate depletion mode, nMOS 24-pin DIP using single 5 volt power supply; implements ECB and CFB.
Newbridge Microsystems 603 March Road Kanata, Ontario Canada K2K 2M5 Tony Rosati (613) 592-0714	CA20C03A	Chip Only	4/10/91	A high performance WD20C03A compatible DES Data encryption processor with data transfer rates up to 4 Mbytes per second. Supports ECB and CBC; PLCC and PDIP packaging available.

DES Validated Devices, *Continued*

MANUFACTURER ADDRESS	DEVICE ID	PRODUCT	VALIDATION DATE	DESCRIPTION
Newnet S.A. Alsina 430 Buenos Aires 1087 Argentina Daniel Ramos 54 1 334 9732	Data Security Device (DSD 9612)	Chip Only	7/2/91	This device is based on an eight bit INTEL microprocessor with 8 Kbytes of EPROM. Transfer data at speeds of 1200 to 9600 bps and communicates with other devices via EIA RS-232-C ports.
Nixdorf Computer Corporation 168 Middlesex Turnpike Burlington, MA 01803 Kevin Madden (617) 890-3600	VEM Module	Not Available	1/7/80	The plug-in module is used with the Nixdorf 8864 CPU for encrypting data transmission blocks and file protection; may be used in terminal applications in the financial community; uses TTL.
Racal-Milgo P.O. Box 407044 Ft. Lauderdale, FL 33340-7044 Richard Abbruscato (305) 476-6800	Datacryptor	Datacryptor II; Datacryptor III; Dial-up Datacryptor II; Datacryptor II Model 1027 Standard 1027	1/7/80	Stand alone equipment with public key management remote distribution of master keys.
Rothenbuhler Engineering P.O. Box 708 2191 Rhodes Road Sedro Wolley, WA 98284-0708 Andrew Benson (206) 856-0836	CLS Series 5200 Encryption Module	CLS Series 5200 Polling System	3/19/91	The CLS Series 5200 Encryption Module is used in a system which communicates 8 channels of electronic security information between a client and a central monitoring facility.
Secur-Data Systems, Inc. Omega Center 7340 Executive Way, Suite R Frederick, MD 21701 Ronald Baum (301) 698-9955	DESPLEX	TM5; MP5	2/2/89	Used in a CF configuration as part of a firmware operating system for processing and transmission of alarm sensor data as well as receiving and annuciating dat at an alarm monitoring facility.
Texas Instruments, Inc. P.O. Box 1443, M/S 736 Houston, TX 77001 Mike Polen (713) 274-3635	TMS 99541	TMS 7500 Chip; New name for the TMS 99521 Chip;	2/28/82	Preprogrammed TMS7020 8-bit single chip microprocessor; 40-pin DIP plastic package I/O pins are TTL compatible; master and active key registers.
UNIVAC P.O. Box 3942 St. Paul, MN 55165 Jim Nelson (612) 631-6728	End-End/Mass Storage Encryptor	Not Available	1/29/80	Prototype device for testing purposes only
VLSI Technology, Inc. 8375 S. River Parkway Tempe, AZ 85284 R. Slusarczyk (602) 752-8574	VM007 - Data Encryption Processor VM009 Data Encryption Processor	VM007 Chip VM009B; VM009A80; VM009A86;	1/6/92	The VM007 Data Encryption Processor is a programmable integrated circuit that provides a complete cryptographic system on a single chip. It contains a hardware implementation of the DES, RISC-based sequencer, data storage registers, and ROM-based microprogram. It is designed to provide very high data and key processing rates (up to 190 Megabits per second), flexible I/O interfacing, advanced security features and supports all DES modes of operation.
Wells Fargo Security Products A Unit of Baker Protective Services 1010 North Glebe Road, Suite 680 Arlington, VA 22201 William Martin (703) 247-4250	WP PN 5286/WP PN 5287	MP40/AS- 40; MP44/AS- 44;	5/26/89	The monitor panels are intended for use in a monitoring station of a proprietary intrusion detection alarm system.

DES Validated Devices, *Continued*

MANUFACTURER ADDRESS	DEVICE ID	PRODUCT	VALIDATION DATE	DESCRIPTION
Western Digital Corporation 2445 McCabe Way Irvine, CA 92714 Product Marketing Manager for Security Devices (714) 474-2033 X7853	WD-2001/WD2002	WD-2001 Chip; WD-2002 Chip;	8/9/79	Uses si-gate nMOS, TTL compatible; ECB speeds of up to 40 Kbytes/second, 161 Kbytes/second and 242 Kbytes/second.
	WD20C03 DES Device	WD-20C03 Chip	2/19/87	Uses si-gate CMOS, TTL compatible; ECB and CBC, speeds of up to 403 Kbytes/second, 645 Kbytes/second and 807 Kbytes/second in ECB.

7.7 Message Authentication Code (MAC) Implementations

	Vendor/Contact	Implementation	Validated Options
1.	ACS Communications Systems Inc. 480 Spring Park Place Suite 900 Herndon, VA 22070 Don Cole, (703) 471-0892	Personal Computer Security Module, PCSM-T May 16, 1986	BINARY OPTION (FIPS 113)
2.	Federal Reserve Bank of Cleveland P.O.B. 6387 Cleveland, Ohio 44101 Dave Rich, (216) 579-2221	Jones Futurex PC Encryption Board FRS PC MAC Processor October 28, 1986	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING
3.	Shannon Systems, Inc. Mountain View, CA Out of Business	Remote Crypto Facility Software Version 3.0 January 16, 1987	BINARY OPTION (FIPS 113)
4.	Codercard, Inc. Rights transferred to LITRONICS Information Systems on Sept. 12, 1990 - see entry 23. LITRONICS Information Systems 2950 Redhill Avenue Costa Mesa, CA 92626 Bob Gray, (714) 557-3444	Personal Computer Security Adaptor, CPS-300 Argus, Version 1 Software February 26, 1987	BINARY OPTION (FIPS 113) CODED CHARACTERS, ENTIRE MESSAGE, NO EDITING CODED CHARACTERS, ENTIRE MESSAGE, EDITING CODED CHARACTERS, EXTRACTED MESSAGE ELEMENTS, NO EDITING CODED CHARACTERS, EXTRACTED MESSAGE ELEMENTS, EDITING
5.	Jones Futurex, Inc. 10833 Trade Center Drive Rancho Cordova, CA 95670 Don Thompson, (916) 635-3972	MAC-310 Message Authenticator February 27, 1987	BINARY OPTION (FIPS 113)
6.	Infomax Securities 6974 Sandpiper Place Carlsbad, CA 92009 David Howard, (619) 931-8787	Protecom Crypto Processor Protecom Device Driver & Utilities, Version 0.5 March 27, 1987	BINARY OPTION (FIPS 113)
7.	Inter-Quest, Inc. 16508 E. Laser Drive Fountain Hills, AZ 85268 Charles Redding, (602) 948-2560	PORT-OF-ENTRY Computer Security System Vers. 1.1 (Software) May 6, 1987	BINARY OPTION (FIPS 113)
8.	Infomax Securities 6974 Sandpiper Place Carlsbad, CA 92009 David Howard, (619) 931-8787	Protecom Crypto Processor Protecom Device Driver & Utilities, Version 0.6 May 11, 1987	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING
9.	Digitech Telecommunications, Inc. 342 Madison Avenue Suite 2010 New York, NY 10017 James J. McKeeff, (212) 557-7230	Softnet Software, Version 1 June 29, 1987	BINARY OPTION (FIPS 113)
10.	Sytek, Inc. Rights transferred to AeT Research, Inc. on January 29, 1988 - see entry 17 AeT Research 675 North First Street Suite 800 San Jose, CA 95112 Linden Feldman, (408) 275-0820	MACbox June 30, 1987	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING
11.	Inter-Quest, Inc. 16508 East Laser Drive Fountain Hills, AZ 85268 Charles Redding, (602) 948-2560	PORT-OF-ENTRY Computer Security System Vers 1.2 (Software) August 17, 1987	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING
12.	Racal-Guardata Limited Richmond Court 309 Fleet Road Fleet, Hampshire GU13 8BU England Paul Halliden, (252) 622144, England	PC Security Module, RGL 600 RGL 600 Host PC C Driver Software, Version: V1.01 November 20, 1987	BINARY OPTION (FIPS 113)
13.	The Chase Manhattan Bank, N.A. 1 Seaport Plaza 11th Floor New York, New York 10038 Bob Martian, (212) 787-4038	C-FIMAS 16 Software, Version 1.0 December 6, 1987	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING
14.	Atalla Corporation 2304 Zanker Road San Jose, CA 95131 Dale Hopkins, (408) 435-8850	Personal Computer Module, CPCM CPCM.HEX Software, Version OA 13-2043-01 January 11, 1988	BINARY OPTION (FIPS 113)

Message Authentication Code (MAC) Implementations, *Continued*

	Vendor/Contact	Implementation	Validated Options
16.	GN Telematic, Inc. 46 Manning Road Billerica, MA 01821 Poul Hebsgaard, (617) 667-8644	safeMatic 2000, KB76-17527 Coded Character Set Processing Software, Model KB77-17012, Version A February 3, 1988	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING
17.	AeT Research 675 North First Street Suite 800 San Jose, CA 95112 Originally validated on June 30, 1987 as a Sytek, Inc. device - see entry 10. Linden Feldman, (408) 275-0820	MACbox August 8, 1988	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING
18.	Atalla Corporation 2304 Zanker Road San Jose, CA 95131 Dale Hopkins, (408) 435-8850	Personal Computer Module, MN-40-249 CPCM.HEX Software, Version OE 13-2043-00 September 26, 1988	BINARY OPTION (FIPS 113)
19.	Cypher Communications Technology, Inc. 4520 East-West Highway Suite 550 Bethesda, MD 20814 Angel Bailey, (301) 652-8790	CYCOM SCI AX3 5.01, Version 10084002 February 2, 1989	BINARY OPTION (FIPS 113)
20.	Dial-Guard 55 Koch Road/PO Box 7045 Corte Madera, CA 94925 Shun-Hwa Chang or Trone Miller, (415) 927-2232	Dial-Guard Remote Authenticator 01-103, Version 2.0 Rev. 0 March 6, 1989	BINARY OPTION (FIPS 113)
21.	Okiok Data 3945 St. Martin Laval, Quebec, Canada H7T 1B7 Claude Vigeant, (514) 681-1681	RAC/M FAS-PACK, Version 1.0 April 24, 1989	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING
22.	Racal-Guardata, Inc 480 Spring Park Place Suite 900 Herndon, VA 22070 Brian Bucholz, (703) 471-0892	X9 Crypto Server June 1, 1990	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING
23.	LITRONIC Information Systems 2950 Redhill Avenue Costa Mesa, CA 92626 Rights transferred on September 12, 1990 Bob Gray, (714) 545-6649 James Prohaska, (703) 960-8068	Personal Computer Security Adapter Argus, Version 1 Software** Originally validated by Codercard, Inc. on February 26, 1987 - see entry 4.	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING
24.	IBM Corporation Dept. 65K/B204-3 1001 W.T. Harris Blvd. Charlotte, NC 28257 Roger Evans, (704) 594-7060	4755 Cryptographic Adapter October 15, 1990	BINARY OPTION (FIPS 113)
25.	IBM Corporation Dept. 65K/B204-3 1001 W.T. Harris Blvd. Charlotte, NC 28257 Roger Evans, (704) 594-7060	4754 Security Interface Unit October 15, 1990	BINARY OPTION (FIPS 113)
26.	IBM Corporation Dept. 65K/B204-3 1001 W.T. Harris Blvd. Charlotte, NC 28257 Roger Evans, (704) 594-7060	IBM Personal Security Card October 15, 1990	BINARY OPTION (FIPS 113)
27.	Cypher Communications Technology, Inc. 15200 Shady Grove Rd. Suite 350 Rockville, MD 20850 Angel Bailey, (301) 590-9314	CYCOM SCI/SL 96 AX5 5.03, Version 10084012 December 19, 1990	BINARY OPTION (FIPS 113)
28.	Cypher Communications Technology, Inc. 15200 Shady Grove Rd. Suite 350 Rockville, MD 20850 Angel Bailey, (301) 590-9314	CYCOM SCI 182 AX7 5.05, Version 10084020 January 10, 1991	BINARY OPTION (FIPS 113)

Message Authentication Code (MAC) Implementations, *Continued*

	Vendor/Contact	Implementation	Validated Options
29.	Digital Equipment Corporation Digital Drive - MK01-2/B08 Merrimack, NH 03054 Steve Lawrence, (603) 884-3445	PIN Pad 201 SMD Model: P003-120-XX March 25, 1991	BINARY OPTION (FIPS 113)
30.	Information Security Corporation 1141 Lake Cook Road Suite D Deerfield, IL 60015 Michael Markowitz, (708) 405-0500	DES Module used in SpyProof! July 10, 1991	BINARY OPTION (FIPS 113)
31.	Digital Signature Validated by Information Security Corporation 1115 N. East Avenue Oak Park, IL 60302 Michael Markowitz, (708) 405-0500	DES Module used in CryptMaster (3.20) and SecretAgent (1.00) July 15, 1991	BINARY OPTION (FIPS 113)
32.	The Exchange Systems 15395 SE 30th Place Bellevue, WA 98007-6584 Robert Adamson, (206) 644-7000 X255	PCE-3000 (IBM PS/2 Microchannel) January 8, 1992	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING
33.	The Exchange Systems 15395 SE 30th Place Bellevue, WA 98007-6584 Robert Adamson, (206) 644-7000 X255	PCE-1000 ISA Adaptor January 9, 1992	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING

7.8 Validations for Key Management

Vendor/Contact	Implementation	Validated Options
1. LITRONICS Information Systems 2950 Redhill Avenue Costa Mesa, CA 92626 (Originally validated by Codercard; rights transferred on September 11, 1990) Bob Gray, (714) 545-6649 James Prohaska, (703) 960-8068	Hardware: Argus-PC, Model: CMS-100 Software: Argus/MACE Software, Version: 1.0 September 23, 1988	No. of communicating pairs: 2 No. of manual (*)KKs per comm. pair: 2 Length of manual and auto. (*)KKs: PAIR Key generation capability: YES Number of auto. distr. (*)KKs shared: UP TO 4 Number of KDs shared: UP TO 8 2 KDs in KSMs: SOMETIMES Send RSI messages: NOT TESTED Receive RSI messages: NOT TESTED Notarization of keys in KSMs: ALWAYS Send odd parity on keys in KSMs: ALWAYS Send IVs in KSMs: SOMETIMES Send encrypted IVs in KSMs: ALWAYS Send EDCs in RSIs and ESMs: ALWAYS Action if EDC received in RSIs and ESMs: NOT APPLICABLE Send EDKs in KSMs: SOMETIMES Action on count error: ADJUST COUNT Send DSMs: YES Receive DSMs: YES IDA in DSM if only one KD can be shared: YES Role assumed: EITHER A OR B Automatic error recovery: NOT TESTED Space & CRLF as field delimiter: NOT TESTED
2. TECHNICAL COMMUNICATIONS CORPORATION 100 Domino Drive CONCORD, Massachusetts 01742 John Gill, (617) 862-6035	Hardware: CX5000A Software: Version: 1.0 May 6, 1991	No. of communicating pairs: 1 No. of manual (*)KKs per comm. pair: 2 Length of manual and auto. (*)KKs: PAIR Key generation capability: YES Number of auto. distr. (*)KKs shared: 0 Number of KDs shared: 1 2 KDs in KSMs: NEVER Send RSI messages: NOT TESTED Receive RSI messages: NOT TESTED Notarization of keys in KSMs: ALWAYS Send odd parity on keys in KSMs: ALWAYS Send IVs in KSMs: SOMETIMES Send encrypted IVs in KSMs: ALWAYS Send EDCs in RSIs and ESMs: ALWAYS Action if EDC received in RSIs and ESMs: NOT APPLICABLE Send EDKs in KSMs: NEVER Action on count error: ADJUST COUNT Send DSMs: YES Receive DSMs: YES IDA in DSM if only one KD can be shared: YES Role assumed: EITHER A OR B Automatic error recovery: NOT TESTED Space & CRLF as field delimiter: NOT TESTED
3. TECHNICAL COMMUNICATIONS CORPORATION 100 Domino Drive CONCORD, Massachusetts 01742 John Gill, (617) 862-6035	Hardware: CX5000 Software: Version: 2.0 May 15, 1991	No. of communicating pairs: 1 No. of manual (*)KKs per comm. pair: 2 Length of manual and auto. (*)KKs: PAIR Key generation capability: YES Number of auto. distr. (*)KKs shared: 4 Number of KDs shared: 1 2 KDs in KSMs: NEVER Send RSI messages: NOT TESTED Receive RSI messages: NOT TESTED Notarization of keys in KSMs: ALWAYS Send odd parity on keys in KSMs: ALWAYS Send IVs in KSMs: SOMETIMES Send encrypted IVs in KSMs: ALWAYS Send EDCs in RSIs and ESMs: ALWAYS Action if EDC received in RSIs and ESMs: NOT APPLICABLE Send EDKs in KSMs: NEVER Action on count error: ADJUST COUNT Send DSMs: YES Receive DSMs: YES IDA in DSM if only one KD can be shared: YES Role assumed: EITHER A OR B Automatic error recovery: NOT TESTED Space & CRLF as field delimiter: NOT TESTED
4. COMMUNICATION DEVICES, INC. 1 Forstmann Court Clifton, NJ 07011 Gene Hartsell, (201) 772-8997	Hardware: RSD/E Software: Version 7.2	No. of communicating pairs: 1 No. of manual (*)KKs per comm. pair: 1 Length of manual and auto. (*)KKs: PAIR Key generation capability: NO Number of auto. distr. (*)KKs shared: 0 Number of KDs shared: 1 2 KDs in KSMs: NEVER Send RSI messages: NOT TESTED Receive RSI messages: NOT TESTED Notarization of keys in KSMs: ALWAYS Send odd parity on keys in KSMs: ALWAYS Send IVs in KSMs: SOMETIMES Send encrypted IVs in KSMs: ALWAYS Send EDCs in RSIs and ESMs: ALWAYS Action if EDC received in RSIs and ESMs: NOT APPLICABLE Send EDKs in KSMs: NEVER Action on count error: ADJUST COUNT Send DSMs: YES Receive DSMs: YES IDA in DSM if only one KD can be shared: YES Role assumed: EITHER A OR B Automatic error recovery: NOT TESTED Space & CRLF as field delimiter: NOT TESTED Number of communicating pairs: 1 Number of manual (*)KKs per comm. pair: 2 Length of manual and

APPENDIX A

FIPS CONFORMANCE TESTING PRODUCTS AND SERVICES

APPENDIX A

FIPS CONFORMANCE TESTING PRODUCTS AND SERVICES

The purpose of this appendix is to provide information about products and services that are available to Federal Agencies for assessing products for conformance to FIPS.

The entries in this list identify the topic, the standard tested, the NIST contact, and the product or service offered. The letters T, S, or C in the Product/Service column indicate a test method, testing service, or certificate/registered report respectively.

TOPIC	STANDARD	CONTACT	PRODUCT/SERVICE
COBOL	FIPS PUB 21-3	Judy Kailey NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3259	T, S, C
Fortran	FIPS PUB 69-1	Judy Kailey NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3259	T, S, C
Pascal	FIPS PUB 109	Carmelo Montanez NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-2398	T, S, C
C	FIPS PUB 160	Carmelo Montanez NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-2398	T, S, C
Ada	FIPS PUB 119	William Dashiell NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-2490	T, S, C
MUMPS	FIPS PUB 125	William Dashiell NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-2490	T, S, C
SQL	FIPS PUB 127-1	Joan Sullivan NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3258	T, S, C

TOPIC	STANDARD	CONTACT	PRODUCT/SERVICE
GKS	FIPS PUB 120	Susan (Quinn) Sherrick NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3268	T, S, C
CGM	FIPS PUB 128 MIL-D-28003	Lynne Rosenthal NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3353	T, S, C
PHIGS	FIPS PUB 153 ANSI/ISO 9592.1-1989	Kevin Brady NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3644	T, S, C
Raster	FIPS PUB 150 MIL-R-28002	Frank Spielman NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3257	T
IRDS	FIPS PUB 156	Alan Goldfine NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3252	T
POSIX	FIPS PUB 151-1	Martha Gray NIST, Bldg. 225, Rm. B266 Gaithersburg, MD 20899 (301) 975-3276	T, S, C
Message Authentication	FIPS PUB 113	Miles Smid NIST, Bldg. 225, Rm. A216 Gaithersburg, MD 20899 (301) 975-2938	T, S, C
Key Management Validation	FIPS PUB 171 ANSI X9.17	Miles Smid NIST, Bldg. 225, Rm. A216 Gaithersburg, MD 20899 (301) 975-2938	T, S, C
Data Encryption Standard	FIPS PUB 46-1	Miles Smid NIST, Bldg. 225, Rm. A216 Gaithersburg, MD 20899 (301) 975-2938	T, S, C
GOSIP	FIPS PUB 146	Stephen Nightingale NIST, Bldg. 225, Rm 141 Gaithersburg, MD 20899 (301) 975-3616	T, S

TOPIC	STANDARD	CONTACT	PRODUCT/SERVICE
1984 X25	CCITT X.25-1984 ISO 7776, ISO 8208 ISO 8882, ISO 9646 FIPS PUB 100-1	David Su NIST, Bldg. 223, Rm. B364 Gaithersburg, MD 20899 (301) 975-6194	T
ISDN Data Link Layer	Q921.LAPD ANSI T1.602	David Su NIST, Bldg. 223, Rm. B364 Gaithersburg, MD 20899 (301) 975-6194	T
ISDN Physical Layer	S/T Interface ANSI T1.605 (S/T Interface) ANSI T1.601 (U Interface)	David Su NIST, Bldg. 223, Rm. B364 Gaithersburg, MD 20899 (301) 975-6194	T (abstract)
ISDN Network Layer	Q931 ANSI T1.607 ANSI T1.608 FIPS PUB (planned)	David Su NIST, Bldg. 223, Rm. B364 Gaithersburg, MD 20899 (301) 975-6194	T
FDDI	ANSI X3T9	David Su NIST, Bldg. 223, Rm. B364 Gaithersburg, MD 20899 (301) 975-6194	T

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NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY

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